

Converting Colors

XYZ(55.3413, 64.5265,
104.1458)

Have a look what the booklet for
XYZ(55.3413, 64.5265, 104.1458)
contains.

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Color

**XYZ(55.3203, 64.4261,
104.1275)**

Conversions

Conversions Part 1

Format	Color
Hex	91DCFF
RGB	145, 220, 255
RGB Percent	57%, 86%, 100%
CMY	0.4314, 0.1372, 0.0000
CMYK	0.43, 0.14, 0.00, 0.00
HSL	199°, 100%, 78%
HSV	199°, 43%, 100%
XYZ	55.3203, 64.4261, 104.1275
YIQ	201.5650, -55.9350, -5.0150

Conversions

Conversions Part 2

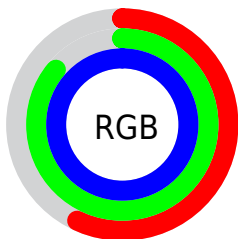
Format	Color
RYB	145, 190, 255
Decimal	9559295
CIELab	84.19, -14.38, -24.31
CIELCh	84, 28.242, 239.398
Yxy	64.4261, 0.2471, 0.2878
Android (android.graphics.Color)	4287749375 (0xFF91DCFF)
YUV	201.5650, 26.3435, -49.6075
Hunter-Lab	80.2659, -17.4407, -20.7298

Details

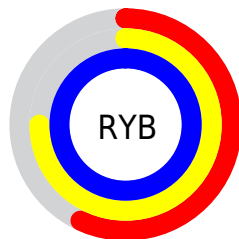
The XYZ color **55.3203, 64.4261, 104.1275** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **62.6729, 55.9478, 34.2860**, and the grayscale version is **55.7361, 58.6387, 63.8575**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **27.5787, 33.0137, 58.3448** is the 20% darker color. If you saturate the color by 10%, you get **49.2434, 58.2099, 103.2480**, and if you desaturate by 10%, it is **62.5126, 71.3735, 105.0895**.

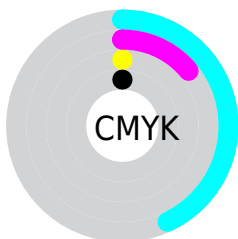
Distribution



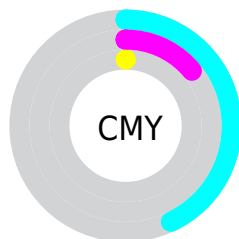
- Red (57%)
- Green (86%)
- Blue (100%)



- Red (57%)
- Yellow (75%)
- Blue (100%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3203, 64.4261, 104.1275 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 55.3203, 64.4261, 104.1275 by changing the saturation by 10% instead.

■ 55.3203, 64.4261,
104.1275

■ 55.3203, 64.4261,
104.1275

397.2416,
440.7267, 594.7056

■ 39.8931, 46.9959,
79.1160

■ 97.1557, 111.2244,
168.9190

■ 27.6390, 33.0324,
58.4693

■ 124.2945,
141.3612, 209.5361

■ 18.1928, 22.1513,
41.7689

156.0680,
176.5023, 256.1922

■ 11.1890, 13.9681,
28.5961

192.8414,
217.0322, 309.3057

■ 6.2623, 8.0985,
18.5326

234.9801,
263.3352, 369.2953

■ 3.0474, 4.1580,
11.1596

282.8495,

■ 1.1789, 1.7623,

315.7957, 436.5794

6.0588

336.8149,
374.7981, 511.5767

■ 0.0896, 0.4635,
2.8115

■ 0.0000, 0.0000,
0.9992

■ 55.3203, 64.4261,
104.1275

■ 55.3203, 64.4261,
104.1275

■ 49.2434, 58.2099,
103.2480

■ 62.5126, 71.3735,
105.0895

■ 44.2066, 52.6798,
102.4460

■ 70.8781, 79.0799,
106.1360

■ 40.1335, 47.7956,
101.7180

■ 80.4770, 87.5797,
107.2707

■ 36.9339, 43.5084,
101.0591

■ 91.3636, 96.9030,
108.4965

■ 34.4982, 39.7597, 95.0500, 100.0000,
100.4639 108.9000

■ 33.1605, 37.4410,
100.0868

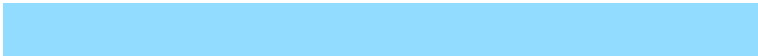
Harmonies

Analogous

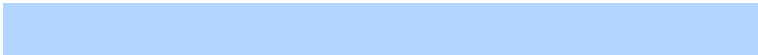
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3530, 64.4261, 88.4303



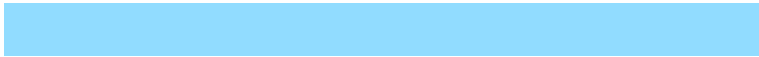
55.3203, 64.4261, 104.1275



61.1088, 64.4261, 110.4862

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.3203, 64.4261, 104.1275



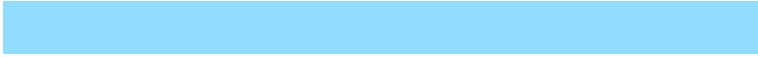
74.0513, 64.4261, 70.5115



55.5250, 64.4261, 44.2393

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.3203, 64.4261, 104.1275



62.6729, 55.9478, 34.2860

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.3615, 64.4261, 41.0618



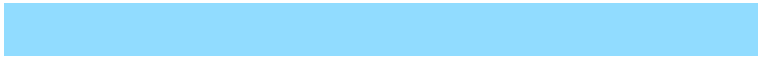
55.3203, 64.4261, 104.1275



72.3099, 64.4261, 54.5788

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.3203, 64.4261, 104.1275



72.1689, 64.4261, 89.1636



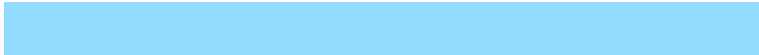
67.5571, 64.4261, 44.5059



51.4654, 64.4261, 54.0504

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3203, 64.4261, 104.1275



65.3125, 64.4261, 107.8659



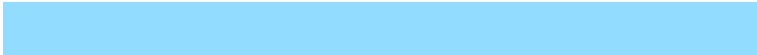
67.5571, 64.4261, 44.5059



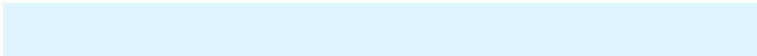
57.3310, 64.4261, 42.4423

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.3221, 64.4285, 104.1279



80.6154, 87.7001, 107.2867



55.6596, 80.8289, 55.7610



16.7774, 18.3544, 22.9084



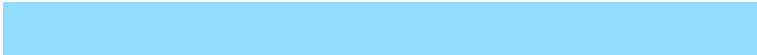
0.0000, 0.0000, 0.0000



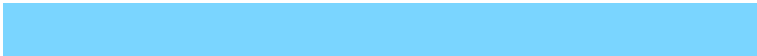
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.3221, 64.4285, 104.1279



49.8796, 58.8804, 103.3439



43.2140, 40.2123, 100.0919



18.0389, 19.4495, 23.0533



17.4676, 19.8447, 52.3444



1.7993, 2.1292, 5.1294

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.2850, 46.6799, 73.3345



60.2350, 40.0720, 67.3852



76.0122, 82.6263, 38.7325



18.5323, 18.1962, 21.4202



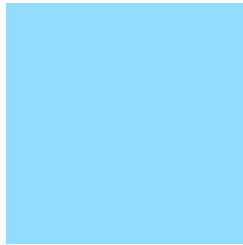
25.6050, 12.7313, 22.3683



2.5428, 1.2595, 2.4398

Previews

White Background



This preview shows how the XYZ color 55.3203, 64.4261, 104.1275 looks on a white background.

Color Contrast Check

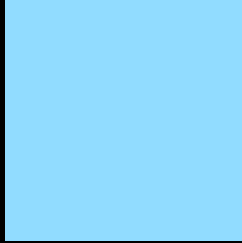
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 55.3203, 64.4261, 104.1275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

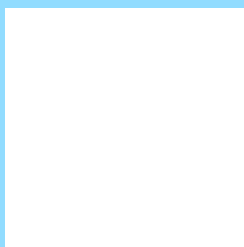
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.3203, 64.4261, 104.1275

Background



This preview shows how black text looks on a background with the XYZ color 55.3203, 64.4261, 104.1275.

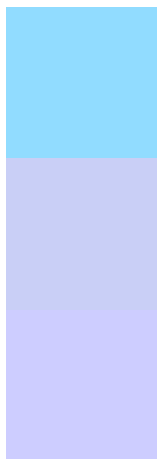


This preview shows how white text looks on a background with the XYZ color 55.3203, 64.4261,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55.3203, 64.4261, 104.1275

Protanopia

63.0348, 63.6970, 96.1612

Deuteranopia

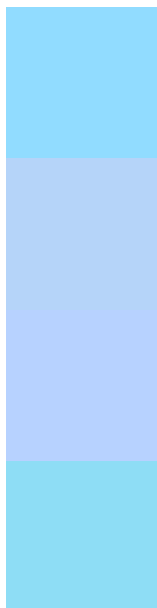
65.0582, 63.8618, 103.5054



Tritanopia

52.8340, 64.1965, 92.0446

Trichromacy



Original Color

55.3203, 64.4261, 104.1275

Protanomaly

59.6984, 63.7503, 98.7811

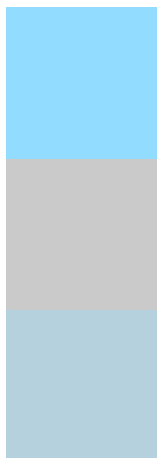
Deuteranomaly

60.6250, 63.3805, 103.6461

Tritanomaly

53.4932, 64.0563, 95.9309

Monochromacy



Original Color

55.3203, 64.4261, 104.1275

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.9077, 60.6451, 77.2184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3203, 64.4261, 104.1275 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(145, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 220, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(145, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3203, 64.4261, 104.1275 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 220, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(145, 220, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(145, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3203, 64.4261, 104.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 220, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(145,  
220, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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