

Converting Colors

XYZ(50.8786, 55.6700,
100.1882)

Have a look what the booklet for
XYZ(50.8786, 55.6700, 100.1882)
contains.

XYZ(50.7238, 55.4724, 100.1293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7238, 55.4724,
100.1293)**

Conversions

Conversions Part 1

Format	Color
Hex	93CAFC
RGB	147, 202, 252
RGB Percent	58%, 79%, 99%
CMY	0.4235, 0.2078, 0.0118
CMYK	0.42, 0.20, 0.00, 0.01
HSL	209°, 95%, 78%
HSV	209°, 42%, 99%
XYZ	50.7238, 55.4724, 100.1293
YIQ	191.2550, -48.8300, 3.8900

Conversions

Conversions Part 2

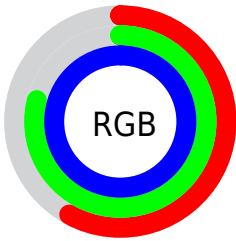
Format	Color
RYB	147, 183, 252
Decimal	9685756
CIELab	79.31, -5.26, -30.16
CIELCh	79, 30.614, 260.098
Yxy	55.4724, 0.2458, 0.2689
Android (android.graphics.Color)	4287875836 (0xFF93CAFC)
YUV	191.2550, 29.9473, -38.8116
Hunter-Lab	74.4798, -8.7738, -27.5726

Details

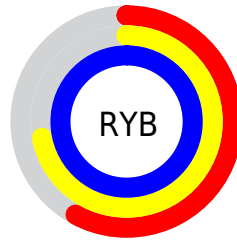
The XYZ color **50.7238, 55.4724, 100.1293** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.3788, 62.7358, 36.2689**, and the grayscale version is **49.5227, 52.1017, 56.7387**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **24.7546, 27.3441, 55.6030** is the 20% darker color. If you saturate the color by 10%, you get **43.9835, 47.9802, 99.0394**, and if you desaturate by 10%, it is **58.6765, 63.9170, 101.3411**.

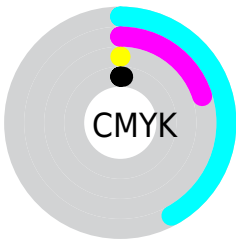
Distribution



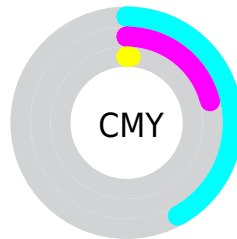
- Red (58%)
- Green (79%)
- Blue (99%)



- Red (58%)
- Yellow (72%)
- Blue (99%)



- Cyan (42%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (42%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7238, 55.4724, 100.1293 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 50.7238, 55.4724, 100.1293 by changing the saturation by 10% instead.

■ 50.7238, 55.4724,
100.1293

■ 50.7238, 55.4724,
100.1293

379.8951,
407.7001, 581.8574

■ 36.2090, 39.7801,
75.7910

■ 90.4318, 98.2328,
163.3883

■ 24.7665, 27.3671,
55.7556

■ 116.3557,
126.0696, 203.1461

■ 16.0310, 17.8491,
39.6043

146.8133,
158.7233, 248.8808

■ 9.6371, 10.8417,
26.9187

182.1701,
196.5784, 301.0110

■ 5.2194, 5.9605,
17.2803

222.7913,
240.0193, 359.9552

■ 2.4126, 2.8211,
10.2705

269.0423,

■ 0.8514, 1.0390,

289.4302, 426.1320

5.4707

321.2884,
345.1957, 499.9599

■ 0.0000, 0.0000,
2.4625

■ 0.0000, 0.0000,
0.8202

■ 50.7238, 55.4724,
100.1293

■ 50.7238, 55.4724,
100.1293

■ 43.9835, 47.9802,
99.0394

■ 58.6765, 63.9170,
101.3411

■ 38.3797, 41.3904,
98.0628

■ 67.9001, 73.3478,
102.6753

■ 33.8361, 35.6572,
97.1957

■ 78.4560, 83.8045,
104.1373

■ 30.2631, 30.7265,
96.4323

■ 90.3996, 95.3222,
105.7309

■ 27.5539, 26.5351,
95.7660

94.5709, 99.8084,
106.3770

■ 25.8225, 23.5316,
95.2776

Harmonies

Analogous

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



45.5196, 55.4724, 90.1730



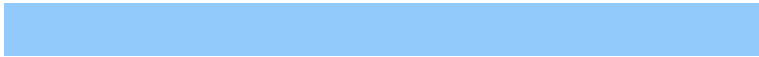
50.7238, 55.4724, 100.1293



56.8796, 55.4724, 97.9702

Triad

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



50.7238, 55.4724, 100.1293



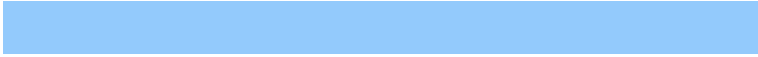
64.5865, 55.4724, 49.5272



44.1898, 55.4724, 41.2307

Complementary

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



50.7238, 55.4724, 100.1293



65.3788, 62.7358, 36.2689

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.



48.7775, 55.4724, 33.9219



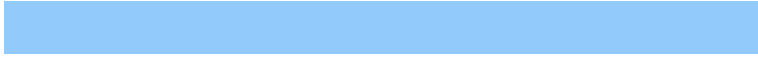
50.7238, 55.4724, 100.1293



60.6530, 55.4724, 38.0287

Square

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



50.7238, 55.4724, 100.1293



65.2092, 55.4724, 66.3929



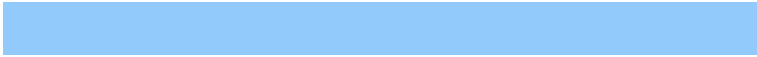
54.7779, 55.4724, 32.8759



41.9452, 55.4724, 54.7791

Rectangle

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



50.7238, 55.4724, 100.1293



60.6868, 55.4724, 90.0762



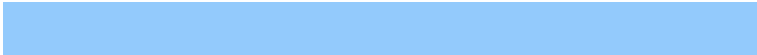
54.7779, 55.4724, 32.8759



45.4916, 55.4724, 38.0832

Sweetspot

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



50.7256, 55.4745, 100.1306



80.2011, 85.7042, 106.9233



56.8083, 79.8107, 64.6371



16.8472, 18.0317, 22.8425



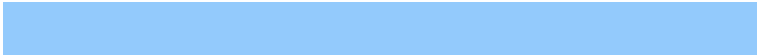
0.0000, 0.0000, 0.0000



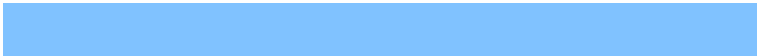
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7256, 55.4745, 100.1306



46.2327, 50.4819, 101.9150



40.5912, 35.2057, 96.7525



17.0355, 18.1477, 21.9903



13.5999, 12.5553, 49.6802



1.3658, 1.3752, 4.6366

Inverse Universe

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



61.2408, 45.8289, 61.4974



58.6640, 40.4762, 55.9287



79.1339, 90.2459, 40.8539



17.6244, 17.3771, 19.8780



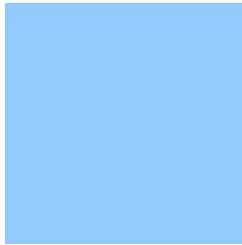
23.1566, 11.6784, 12.7991



2.1983, 1.1031, 1.4677

Previews

White Background



This preview shows how the XYZ color 50.7238, 55.4724, 100.1293 looks on a white background.

Color Contrast Check

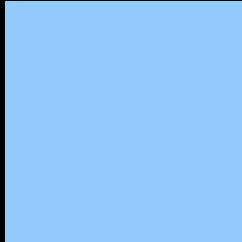
Large Text (above 18pt) WCAG AA × Fail

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 50.7238, 55.4724, 100.1293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

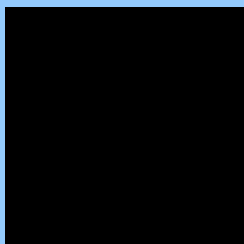
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

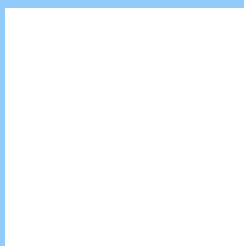
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7238, 55.4724, 100.1293

Background



This preview shows how black text looks on a background with the XYZ color 50.7238, 55.4724, 100.1293.



This preview shows how white text looks on a background with the XYZ color 50.7238, 55.4724,

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

50.7238, 55.4724, 100.1293

Protanopia

55.4548, 55.3047, 94.9409

Deuteranopia

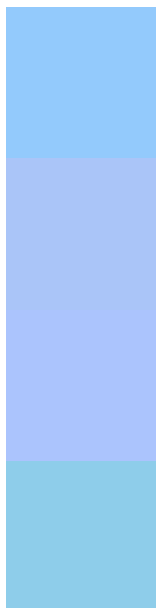
56.5062, 55.0454, 101.4126



Tritanopia

46.4148, 55.4964, 78.7866

Trichromacy



Original Color

50.7238, 55.4724, 100.1293

Protanomaly

53.4871, 55.2559, 96.6533

Deuteranomaly

54.2641, 55.2296, 100.7289

Tritanomaly

47.8379, 55.3539, 86.0050

Monochromacy



Original Color

50.7238, 55.4724, 100.1293

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2045, 52.9483, 70.5775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7238, 55.4724, 100.1293 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(147, 202, 252)` looks like.

```
.text, #text, p{  
    color:rgb(147, 202, 252)  
}
```

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(147, 202, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 202, 252) }
```

Border

The CSS property to change the border of an element to XYZ 50.7238, 55.4724, 100.1293 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(147, 202, 252) }
```


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

```
.border{ border-color:rgb(147, 202, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 202, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 202, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 202, 252);  
box-shadow:4px 4px 4px 4px rgb(147, 202,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7238, 55.4724, 100.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 202, 252) }
```

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

```
.background{ background-color: rgb(147,  
202, 252) }
```

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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