

Converting Colors

XYZ(58.3413, 62.8922,
136.4763)

Have a look what the booklet for
XYZ(58.3413, 62.8922, 136.4763)
contains.

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Color

**XYZ(52.0882, 60.4640,
103.5331)**

Conversions

Conversions Part 1

Format	Color
Hex	87D6FF
RGB	135, 214, 255
RGB Percent	53%, 84%, 100%
CMY	0.4706, 0.1608, 0.0000
CMYK	0.47, 0.16, 0.00, 0.00
HSL	200°, 100%, 76%
HSV	200°, 47%, 100%
XYZ	52.0882, 60.4640, 103.5331
YIQ	195.0530, -60.2450, -3.9970

Conversions

Conversions Part 2

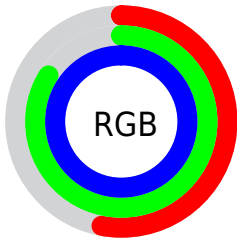
Format	Color
RYB	135, 183, 255
Decimal	8902399
CIELab	82.09, -13.63, -27.55
CIELCh	82, 30.737, 243.675
Yxy	60.4640, 0.2411, 0.2798
Android (android.graphics.Color)	4287092479 (0xFF87D6FF)
YUV	195.0530, 29.5539, -52.6665
Hunter-Lab	77.7586, -16.5057, -24.5117

Details

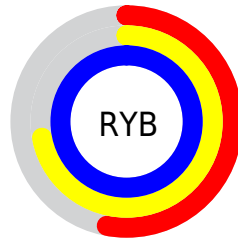
The XYZ color **52.0882, 60.4640, 103.5331** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.1392, 54.0608, 30.1360**, and the grayscale version is **51.7602, 54.4557, 59.3023**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **25.5717, 30.4100, 57.9480** is the 20% darker color. If you saturate the color by 10%, you get **46.3201, 54.3055, 102.6484**, and if you desaturate by 10%, it is **58.9602, 67.3693, 104.5038**.

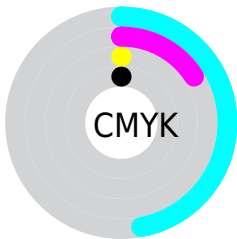
Distribution



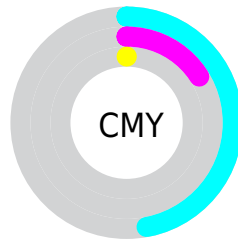
- Red (53%)
- Green (84%)
- Blue (100%)



- Red (53%)
- Yellow (72%)
- Blue (100%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0882, 60.4640, 103.5331 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 52.0882, 60.4640, 103.5331 by changing the saturation by 10% instead.

■ 52.0882, 60.4640,
103.5331

■ 52.0882, 60.4640,
103.5331

385.0954,
426.3060, 592.8048

■ 37.2999, 43.7927,
78.6212

■ 92.4348, 105.5025,
168.0981

■ 25.6145, 30.5076,
58.0649

■ 118.7238,
134.6385, 208.5883

■ 16.6667, 20.2242,
41.4458

■ 149.5771,
168.6982, 255.1083

■ 10.0909, 12.5581,
28.3453

185.3600,
208.0659, 308.0767

■ 5.5220, 7.1250,
18.3448

226.4380,
253.1262, 367.9120

■ 2.5946, 3.5404,
11.0258

273.1763,

■ 0.9432, 1.4199,

304.2634, 435.0328

5.9698

325.9403,
361.8618, 509.8576

■ 0.0000, 0.2313,
2.7582

■ 0.0000, 0.0000,
0.9726

■ 52.0882, 60.4640,
103.5331

■ 52.0882, 60.4640,
103.5331

■ 46.3201, 54.3055,
102.6484

■ 58.9602, 67.3693,
104.5038

■ 41.5774, 48.8467,
101.8447

■ 66.9968, 75.0513,
105.5630

■ 37.7793, 44.0444,
101.1180

■ 76.2602, 83.5462,
106.7144

■ 34.8285, 39.8457,
100.4631

■ 86.8068, 92.8854,
107.9612

■ 32.6018, 36.1841,
99.8737

95.0500, 100.0000,
108.9000

■ 32.0302, 35.1804,
99.7101

Harmonies

Analogous

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



47.6570, 60.4640, 87.8112



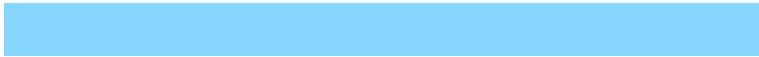
52.0882, 60.4640, 103.5331



58.2762, 60.4640, 108.5465

Triad

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



52.0882, 60.4640, 103.5331



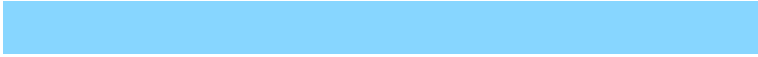
70.9065, 60.4640, 63.5612



50.7960, 60.4640, 40.2531

Complementary

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



52.0882, 60.4640, 103.5331



61.1392, 54.0608, 30.1360

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.



56.6697, 60.4640, 36.1176



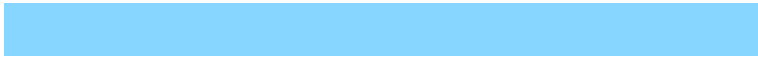
52.0882, 60.4640, 103.5331



68.5435, 60.4640, 47.8702

Square

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



52.0882, 60.4640, 103.5331



69.4509, 60.4640, 83.0710



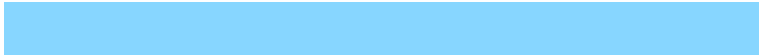
63.2086, 60.4640, 38.6185



46.9515, 60.4640, 51.1650

Rectangle

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



52.0882, 60.4640, 103.5331



62.6503, 60.4640, 104.4851



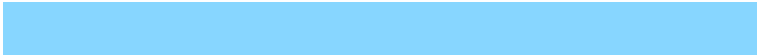
63.2086, 60.4640, 38.6185



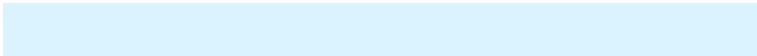
52.5819, 60.4640, 38.1288

Sweetspot

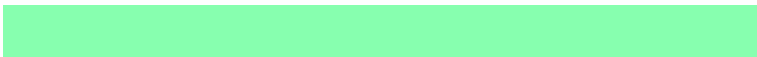
The Sweet Spot groups the original color and five complimentary colors.



52.0899, 60.4662, 103.5335



79.3454, 86.3100, 107.0853



53.4907, 79.7666, 53.1365



16.5144, 18.0546, 22.8644



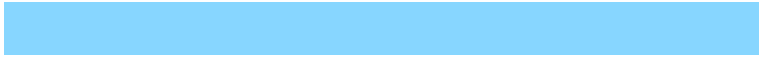
0.0000, 0.0000, 0.0000



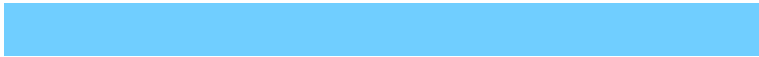
20.3446, 21.4041, 23.3091

Same Dimension

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



52.0899, 60.4662, 103.5335



46.8799, 54.9226, 102.7380



39.7646, 35.8155, 99.4250



18.0017, 19.3749, 23.0409



16.8807, 18.6710, 52.1487



1.7452, 2.0211, 5.1114

Inverse Universe

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



62.0427, 43.4446, 68.7363



58.2226, 37.3591, 62.6700



75.3221, 82.4266, 34.8636



18.5135, 18.1887, 21.3212



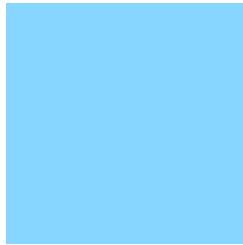
25.3088, 12.6128, 20.8084



2.5155, 1.2486, 2.2961

Previews

White Background



This preview shows how the XYZ color 52.0882, 60.4640, 103.5331 looks on a white background.

Color Contrast Check

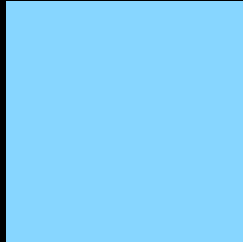
Large Text (above 18pt) WCAG AA × Fail

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 52.0882, 60.4640, 103.5331 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 52.0882, 60.4640, 103.5331

Background



This preview shows how black text looks on a background with the XYZ color 52.0882, 60.4640, 103.5331.



This preview shows how white text looks on a background with the XYZ color 52.0882, 60.4640,

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

52.0882, 60.4640, 103.5331

Protanopia

59.5135, 59.7646, 95.5878

Deuteranopia

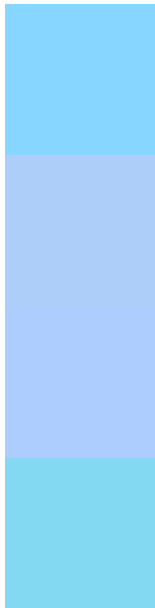
61.2100, 60.1307, 102.9880



Tritanopia

48.8615, 60.2910, 87.6593

Trichromacy



Original Color

52.0882, 60.4640, 103.5331

Protanomaly

56.1834, 59.7528, 98.1948

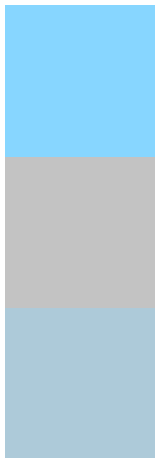
Deuteranomaly

57.1149, 59.7669, 103.1336

Tritanomaly

49.9430, 60.3478, 93.0204

Monochromacy



Original Color

52.0882, 60.4640, 103.5331

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.8785, 56.1351, 73.7992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0882, 60.4640, 103.5331 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(135, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 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(135, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.0882, 60.4640, 103.5331 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(135, 214, 255) }
```


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

```
.border{ border-color:rgb(135, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0882, 60.4640, 103.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 255) }
```

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

```
.background{ background-color: rgb(135,  
214, 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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