

Converting Colors

XYZ(63.4008, 66.9717,
162.6147)

Have a look what the booklet for
XYZ(63.4008, 66.9717, 162.6147)
contains.

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Color

**XYZ(52.2836, 62.4722,
103.9105)**

Conversions

Conversions Part 1

Format	Color
Hex	80DBFF
RGB	128, 219, 255
RGB Percent	50%, 86%, 100%
CMY	0.4980, 0.1412, 0.0000
CMYK	0.50, 0.14, 0.00, 0.00
HSL	197°, 100%, 75%
HSV	197°, 50%, 100%
XYZ	52.2836, 62.4722, 103.9105
YIQ	195.8950, -65.7920, -8.0960

Conversions

Conversions Part 2

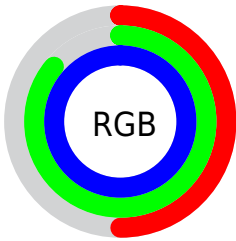
Format	Color
R _Y B	128, 181, 255
Decimal	8444927
CIE Lab	83.16, -17.75, -25.94
CIE LCh	83, 31.428, 235.613
Yxy	62.4722, 0.2391, 0.2857
Android (android.graphics.Color)	4286635007 (0xFF80DBFF)
YUV	195.8950, 29.1388, -59.5439
Hunter-Lab	79.0394, -20.2432, -22.6191

Details

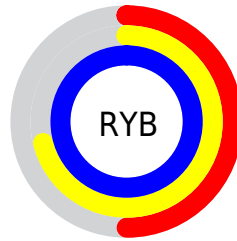
The XYZ color **52.2836, 62.4722, 103.9105** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.4126, 49.3705, 26.8749**, and the grayscale version is **52.2673, 54.9893, 59.8833**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **25.7153, 31.7864, 58.2061** is the 20% darker color. If you saturate the color by 10%, you get **47.0744, 57.0492, 103.1383**, and if you desaturate by 10%, it is **58.5419, 68.5603, 104.7557**.

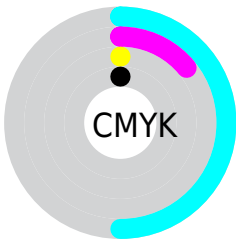
Distribution



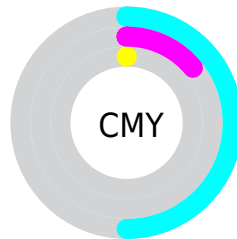
- Red (50%)
- Green (86%)
- Blue (100%)



- Red (50%)
- Yellow (71%)
- Blue (100%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2836, 62.4722, 103.9105 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 52.2836, 62.4722, 103.9105 by changing the saturation by 10% instead.

52.2836, 62.4722,
103.9105

52.2836, 62.4722,
103.9105

385.8365,
433.6514, 594.0121

37.4564, 45.4144,
78.9353

92.7211, 108.4077,
168.6194

25.7363, 31.7839,
58.3216

119.0621,
138.0541, 209.1902

16.7581, 21.1965,
41.6509

149.9717,
172.6656, 255.7966

10.1564, 13.2677,
28.5045

185.8153,
212.6264, 308.8572

5.5659, 7.6132,
18.4640

226.9582,
258.3210, 368.7905

2.6211, 3.8484,
11.1107

273.7658,

0.9567, 1.5891,

310.1338, 436.0151

6.0262

326.6034,
368.4491, 510.9494

■ 0.0000, 0.3503,
2.7920

■ 0.0000, 0.0000,
0.9894

■ 52.2836, 62.4722,
103.9105

■ 52.2836, 62.4722,
103.9105

■ 47.0744, 57.0492,
103.1383

■ 58.5419, 68.5603,
104.7557

■ 42.8342, 52.2444,
102.4343

■ 65.9109, 75.3427,
105.6765

■ 39.4797, 48.0147,
101.7947

■ 74.4536, 82.8546,
106.6762

■ 36.9094, 44.3062,
101.2144

■ 84.2264, 91.1268,
107.7578

■ 34.9617, 41.0339,
100.6854

95.0500, 100.0000,
108.9000

■ 34.9258, 40.9716,
100.6753

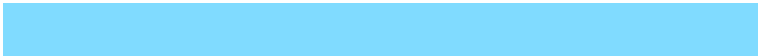
Harmonies

Analogous

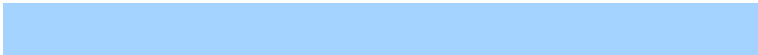
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3331, 62.4722, 85.5600



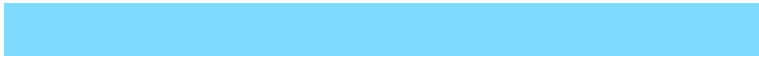
52.2836, 62.4722, 103.9105



58.3817, 62.4722, 112.6962

Triad

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



52.2836, 62.4722, 103.9105



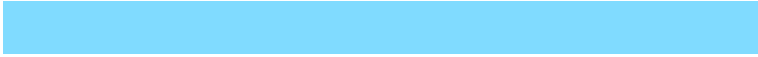
73.4181, 62.4722, 70.9313



53.8940, 62.4722, 39.4937

Complementary

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



52.2836, 62.4722, 103.9105



58.4126, 49.3705, 26.8749

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.



60.3854, 62.4722, 37.0567



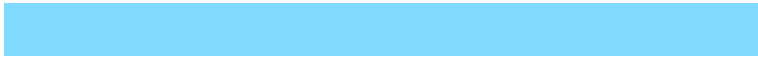
52.2836, 62.4722, 103.9105



71.9890, 62.4722, 53.0603

Square

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



52.2836, 62.4722, 103.9105



70.8559, 62.4722, 91.4824



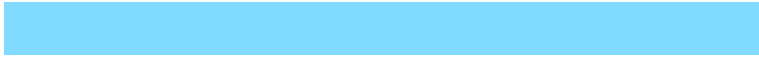
67.0867, 62.4722, 41.5243



49.2117, 62.4722, 48.9596

Rectangle

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



52.2836, 62.4722, 103.9105



62.9733, 62.4722, 110.9215



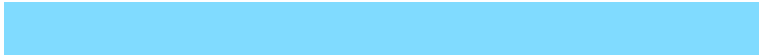
67.0867, 62.4722, 41.5243



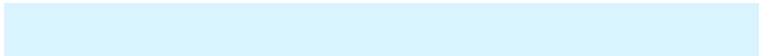
55.9221, 62.4722, 37.9132

Sweetspot

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



52.2854, 62.4745, 103.9108



78.9893, 86.7299, 107.1851



51.3627, 78.7895, 47.6169



16.4732, 18.1949, 22.8937



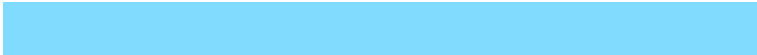
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.2854, 62.4745, 103.9108



46.9811, 56.9480, 103.1236



38.7613, 35.4262, 99.4027



18.0942, 19.5600, 23.0717



18.3829, 21.6753, 52.6495



1.8829, 2.2964, 5.1573

Inverse Universe

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



61.7466, 41.8145, 71.8368



57.8287, 35.4977, 65.8481



72.7385, 78.0223, 31.6502



18.5602, 18.2074, 21.5672



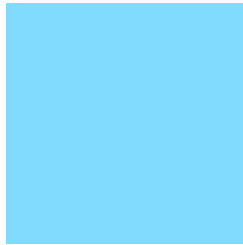
26.0670, 12.9161, 24.8011



2.5850, 1.2764, 2.6619

Previews

White Background



This preview shows how the XYZ color 52.2836, 62.4722, 103.9105 looks on a white background.

Color Contrast Check

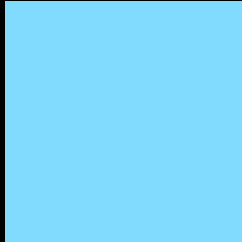
Large Text (above 18pt) WCAG AA × Fail

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 52.2836, 62.4722, 103.9105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

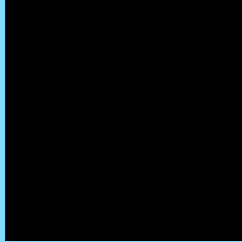
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2836, 62.4722, 103.9105

Background



This preview shows how black text looks on a background with the XYZ color 52.2836, 62.4722, 103.9105.



This preview shows how white text looks on a background with the XYZ color 52.2836, 62.4722,

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

52.2836, 62.4722, 103.9105

Protanopia

61.3630, 61.7841, 95.0775

Deuteranopia

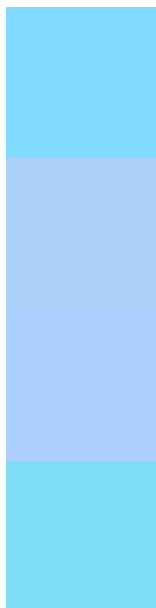
62.9899, 61.7404, 103.2049



Tritanopia

50.0178, 62.7448, 91.9128

Trichromacy



Original Color

52.2836, 62.4722, 103.9105

Protanomaly

57.1329, 61.3247, 98.4482

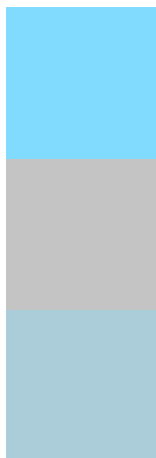
Deuteranomaly

58.0614, 61.3304, 103.3855

Tritanomaly

50.7953, 62.6654, 95.8046

Monochromacy



Original Color

52.2836, 62.4722, 103.9105

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.9118, 56.8534, 73.9361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2836, 62.4722, 103.9105 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(128, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 219, 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(128, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.2836, 62.4722, 103.9105 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(128, 219, 255) }
```


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

```
.border{ border-color:rgb(128, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2836, 62.4722, 103.9105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 219, 255) }
```

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

```
.background{ background-color: rgb(128,  
219, 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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