

Converting Colors

XYZ(47.6458, 59.8894,
103.6563)

Have a look what the booklet for
XYZ(47.6458, 59.8894, 103.6563)
contains.

XYZ(47.7952, 60.1583, 103.7004)	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(47.7952, 60.1583,
103.7004)**

Conversions

Conversions Part 1

Format	Color
Hex	5CDBFF
RGB	92, 219, 255
RGB Percent	36%, 86%, 100%
CMY	0.6392, 0.1412, 0.0000
CMYK	0.64, 0.14, 0.00, 0.00
HSL	193°, 100%, 68%
HSV	193°, 64%, 100%
XYZ	47.7952, 60.1583, 103.7004
YIQ	185.1310, -87.2480, -15.7280

Conversions

Conversions Part 2

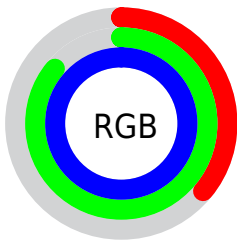
Format	Color
R _Y B	92, 163, 255
Decimal	6085631
CIE Lab	81.92, -24.48, -27.94
CIE LCh	82, 37.149, 228.775
Yxy	60.1583, 0.2258, 0.2842
Android (android.graphics.Color)	4284275711 (0xFF5CDBFF)
YUV	185.1310, 34.4454, -81.6759
Hunter-Lab	77.5618, -25.7377, -24.9777

Details

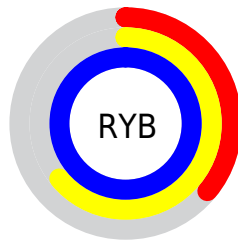
The XYZ color **47.7952, 60.1583, 103.7004** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.8923, 37.4731, 14.6783**, and the grayscale version is **46.0383, 48.4359, 52.7467**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **23.4685, 30.6281, 58.1010** is the 20% darker color. If you saturate the color by 10%, you get **44.2190, 56.1715, 103.1193**, and if you desaturate by 10%, it is **52.2814, 64.6905, 104.3387**.

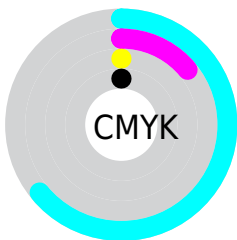
Distribution



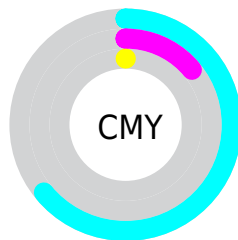
- Red (36%)
- Green (86%)
- Blue (100%)



- Red (36%)
- Yellow (64%)
- Blue (100%)



- Cyan (64%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7952, 60.1583, 103.7004 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 47.7952, 60.1583, 103.7004 by changing the saturation by 10% instead.

47.7952, 60.1583,
103.7004

47.7952, 60.1583,
103.7004

368.5759,
425.1810, 593.3402

33.8753, 43.5462,
78.7604

86.1109, 105.0593,
168.3292

22.9603, 30.3139,
58.1787

111.2375,
134.1170, 208.8552

14.6847, 20.0770,
41.5367

140.8303,
168.0920, 255.4135

8.6833, 12.4510,
28.4158

175.2548,
207.3688, 308.4228

4.5906, 7.0516,
18.3976

214.8762,
252.3317, 368.3016

2.0414, 3.4944,
11.0634

260.0600,

0.6571, 1.3950,

303.3651, 435.4683

5.9948

311.1714,
360.8534, 510.3417

■ 0.0000, 0.2130,
2.7732

■ 0.0000, 0.0000,
0.9800

■ 47.7952, 60.1583,
103.7004

■ 47.7952, 60.1583,
103.7004

■ 44.2190, 56.1715,
103.1193

■ 52.2814, 64.6905,
104.3387

■ 41.4572, 52.6764,
102.5903

■ 57.7505, 69.8026,
105.0372

■ 39.4012, 49.6175,
102.1082

■ 64.2735, 75.5333,
105.7996

■ 38.4004, 47.9207,
101.8335

■ 71.9132, 81.9156,
106.6288

■ 80.7274, 88.9799,
107.5278

■ 90.7699, 96.7547,
108.4992

95.0500, 100.0000,
108.9000

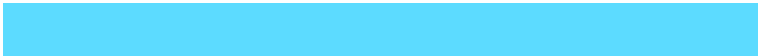
Harmonies

Analogous

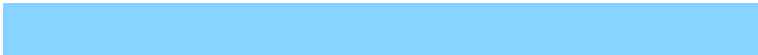
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0428, 60.1583, 80.4266



47.7952, 60.1583, 103.7004



54.2898, 60.1583, 117.7236

Triad

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



47.7952, 60.1583, 103.7004



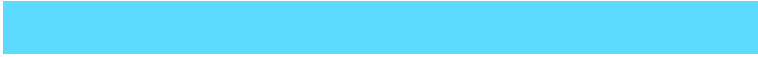
73.3022, 60.1583, 74.2848



52.4560, 60.1583, 32.5013

Complementary

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



47.7952, 60.1583, 103.7004



50.8923, 37.4731, 14.6783

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.



60.1682, 60.1583, 31.5866



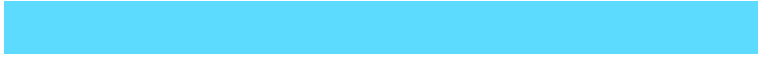
47.7952, 60.1583, 103.7004



72.6967, 60.1583, 52.5486

Square

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



47.7952, 60.1583, 103.7004



69.3018, 60.1583, 98.3280



67.7163, 60.1583, 38.0672



46.5588, 60.1583, 40.9400

Rectangle

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



47.7952, 60.1583, 103.7004



59.5128, 60.1583, 118.1989



67.7163, 60.1583, 38.0672



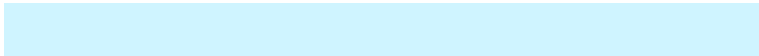
54.9064, 60.1583, 31.3895

Sweetspot

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



47.7969, 60.1604, 103.7007



76.0975, 85.3025, 107.0620



44.0266, 75.3366, 32.4108



15.7596, 17.8322, 22.8613



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.



47.7969, 60.1604, 103.7007



43.2854, 55.0439, 102.9509



31.5805, 27.7275, 98.2952



18.1945, 19.7607, 23.1052



20.1808, 25.2712, 53.2488



2.0449, 2.6205, 5.2113

Inverse Universe

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



57.8546, 34.0307, 70.5392



54.6237, 29.0871, 64.7818



65.9284, 67.5453, 19.6903



18.6108, 18.2276, 21.8338



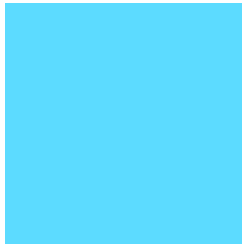
26.9745, 13.2791, 29.5800



2.6668, 1.3091, 3.0926

Previews

White Background



This preview shows how the XYZ color 47.7952, 60.1583, 103.7004 looks on a white background.

Color Contrast Check

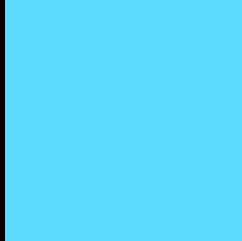
Large Text (above 18pt) WCAG AA × Fail

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 47.7952, 60.1583, 103.7004 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 47.7952, 60.1583, 103.7004

Background



This preview shows how black text looks on a background with the XYZ color 47.7952, 60.1583, 103.7004.

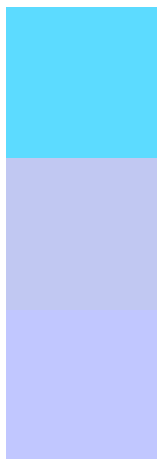


This preview shows how white text looks on a background with the XYZ color 47.7952, 60.1583,

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

47.7952, 60.1583, 103.7004

Protanopia

58.6736, 59.0568, 92.3111

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

45.5056, 60.4186, 91.7016

Trichromacy



Original Color

47.7952, 60.1583, 103.7004

Protanomaly

52.8116, 58.4090, 96.4863

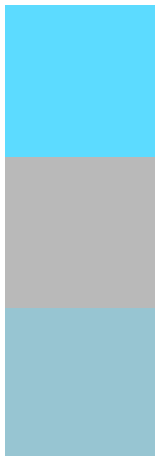
Deuteranomaly

53.8316, 58.4305, 103.0487

Tritanomaly

46.2684, 60.3317, 95.5928

Monochromacy



Original Color

47.7952, 60.1583, 103.7004

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.3616, 51.1650, 68.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7952, 60.1583, 103.7004 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(92, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7952, 60.1583, 103.7004 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(92, 219, 255) }
```


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

```
.border{ border-color:rgb(92, 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(92, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7952, 60.1583, 103.7004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 219, 255) }
```

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

```
.background{ background-color: rgb(92, 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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