

Converting Colors

XYZ(52.4988, 64.0658, 97.1072)

Have a look what the booklet for
XYZ(52.4988, 64.0658, 97.1072)
contains.

XYZ(52.2715, 63.8019, 96.7488)	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(52.2715, 63.8019,
96.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	84DEF6
RGB	132, 222, 246
RGB Percent	52%, 87%, 96%
CMY	0.4823, 0.1294, 0.0353
CMYK	0.46, 0.10, 0.00, 0.04
HSL	193°, 86%, 74%
HSV	193°, 46%, 96%
XYZ	52.2715, 63.8019, 96.7488
YIQ	197.8260, -61.3440, -11.6160

Conversions

Conversions Part 2

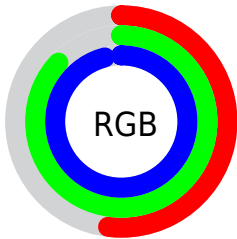
Format	Color
R _Y B	132, 182, 246
Decimal	8707830
CIE Lab	83.86, -20.79, -20.10
CIE LCh	84, 28.919, 224.029
Yxy	63.8019, 0.2456, 0.2998
Android (android.graphics.Color)	4286897910 (0xFF84DEF6)
YUV	197.8260, 23.7498, -57.7294
Hunter-Lab	79.8761, -22.9715, -15.9009

Details

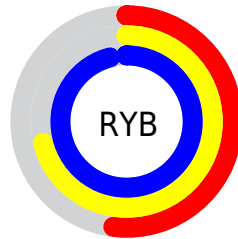
The XYZ color **52.2715, 63.8019, 96.7488** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **54.0606, 45.0369, 27.6752**, and the grayscale version is **53.4596, 56.2437, 61.2494**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **25.7855, 32.7329, 53.6742** is the 20% darker color. If you saturate the color by 10%, you get **47.5147, 59.3404, 96.1395**, and if you desaturate by 10%, it is **57.9814, 68.8203, 97.4176**.

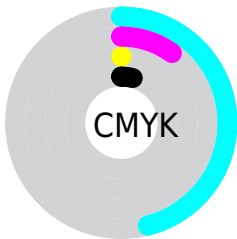
Distribution



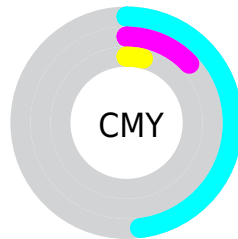
- Red (52%)
- Green (87%)
- Blue (96%)



- Red (52%)
- Yellow (71%)
- Blue (96%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2715, 63.8019, 96.7488 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 52.2715, 63.8019, 96.7488 by changing the saturation by 10% instead.

52.2715, 63.8019,
96.7488

52.2715, 63.8019,
96.7488

385.7906,
438.4739, 570.8753

37.4467, 46.4902,
72.9865

92.7034, 110.3256,
158.6947

25.7288, 32.6329,
53.4731

119.0411,
140.3064, 197.7154

16.7525, 21.8453,
37.7903

149.9473,
175.2791, 242.6593

10.1524, 13.7433,
25.5194

185.7871,
215.6280, 293.9448

5.5631, 7.9423,
16.2419

226.9260,
261.7375, 351.9907

2.6194, 4.0581,
9.5393

273.7293,

0.9559, 1.7061,

313.9921, 417.2154

4.9930

326.5624,
372.7761, 490.0374

■ 0.0000, 0.4276,
2.1845

■ 0.0000, 0.0000,
0.6654

■ 52.2715, 63.8019,
96.7488

■ 52.2715, 63.8019,
96.7488

■ 47.5147, 59.3404,
96.1395

■ 57.9814, 68.8203,
97.4176

■ 43.6400, 55.3944,
95.5821

■ 64.6973, 74.4191,
98.1444

■ 40.5757, 51.9278,
95.0744

■ 72.4750, 80.6292,
98.9331

■ 38.2356, 48.8955,
94.6125

■ 81.3645, 87.4767,
99.7863

■ 36.5123, 46.2417,
94.1911

■ 91.4105, 94.9853,
100.7061

■ 35.9745, 45.3333,
94.0441

■ 93.0239, 98.2122,
101.2439

■ 93.6348, 99.4339,
101.4475

Harmonies

Analogous

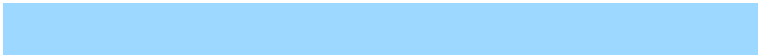
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5399, 63.8019, 78.3049



52.2715, 63.8019, 96.7488



57.3404, 63.8019, 108.8496

Triad

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



52.2715, 63.8019, 96.7488



73.1679, 63.8019, 79.5532



57.7269, 63.8019, 40.7422

Complementary

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



52.2715, 63.8019, 96.7488



54.0606, 45.0369, 27.6752

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.



64.0675, 63.8019, 40.9578



52.2715, 63.8019, 96.7488



73.2896, 63.8019, 61.3249

Square

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



52.2715, 63.8019, 96.7488



69.5395, 63.8019, 97.7992



69.8611, 63.8019, 47.8702



52.5374, 63.8019, 47.2184

Rectangle

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



52.2715, 63.8019, 96.7488



61.5045, 63.8019, 110.5647



69.8611, 63.8019, 47.8702



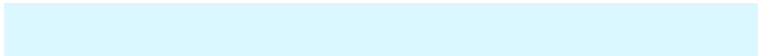
59.7871, 63.8019, 40.0750

Sweetspot

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



52.2735, 63.8043, 96.7503



80.7629, 89.1450, 107.5578



48.3726, 73.1783, 42.4995



16.8617, 18.7492, 22.9802



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.



52.2735, 63.8043, 96.7503



51.6662, 64.4952, 104.3335



39.8245, 38.9064, 92.6006



16.6833, 18.1308, 21.1629



19.3069, 24.4075, 50.2316



1.7693, 2.2899, 4.4390

Inverse Universe

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



59.4438, 41.3710, 73.9622



60.6385, 38.3254, 75.3919



65.6658, 68.2474, 31.5436



17.0555, 16.7050, 20.0386



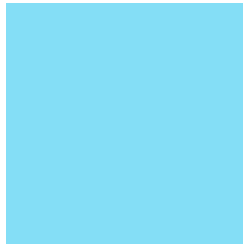
25.5497, 12.5633, 28.6669



2.2821, 1.1188, 2.7119

Previews

White Background



This preview shows how the XYZ color 52.2715, 63.8019, 96.7488 looks on a white background.

Color Contrast Check

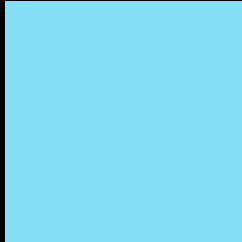
Large Text (above 18pt) WCAG AA × Fail

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 52.2715, 63.8019, 96.7488 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

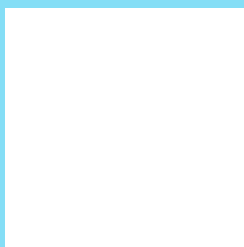
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2715, 63.8019, 96.7488

Background



This preview shows how black text looks on a background with the XYZ color 52.2715, 63.8019, 96.7488.



This preview shows how white text looks on a background with the XYZ color 52.2715, 63.8019,

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

52.2715, 63.8019, 96.7488

Protanopia

61.8402, 62.8953, 88.2375

Deuteranopia

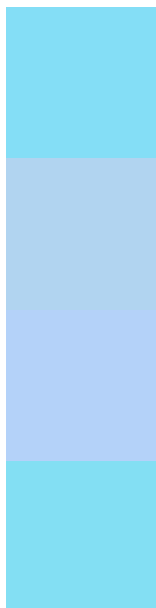
64.6237, 63.0239, 99.2013



Tritanopia

51.4708, 63.8721, 92.8348

Trichromacy



Original Color

52.2715, 63.8019, 96.7488

Protanomaly

57.4031, 62.7253, 91.5198

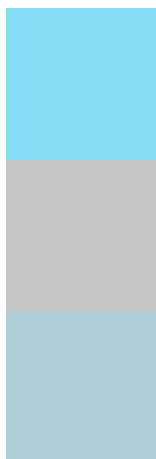
Deuteranomaly

58.9679, 62.6360, 98.6046

Tritanomaly

51.9254, 64.0717, 94.4243

Monochromacy



Original Color

52.2715, 63.8019, 96.7488

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.0341, 58.5306, 72.8450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2715, 63.8019, 96.7488 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(132, 222, 246)` looks like.

```
.text, #text, p{  
    color:rgb(132, 222, 246)  
}
```

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(132, 222, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 222, 246) }
```

Border

The CSS property to change the border of an element to XYZ 52.2715, 63.8019, 96.7488 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(132, 222, 246) }
```


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

```
.border{ border-color:rgb(132, 222, 246) }
```

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

Here you see how a box with a 4 pixel rgb(132, 222, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 222, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 222, 246);  
box-shadow:4px 4px 4px 4px rgb(132, 222,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2715, 63.8019, 96.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 222, 246) }
```

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

```
.background{ background-color: rgb(132,  
222, 246) }
```

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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