

Converting Colors

XYZ(47.2043, 64.4770, 83.9330)

Have a look what the booklet for
XYZ(47.2043, 64.4770, 83.9330)
contains.

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Color

**XYZ(47.0919, 64.2372,
84.0457)**

Conversions

Conversions Part 1

Format	Color
Hex	61E5E5
RGB	97, 229, 229
RGB Percent	38%, 90%, 90%
CMY	0.6196, 0.1019, 0.1020
CMYK	0.58, 0.00, 0.00, 0.10
HSL	180°, 72%, 64%
HSV	180°, 58%, 90%
XYZ	47.0919, 64.2372, 84.0457
YIQ	189.5320, -78.6720, -27.9840

Conversions

Conversions Part 2

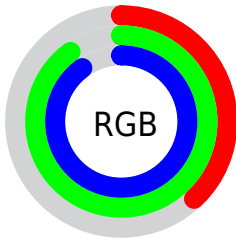
Format	Color
R _Y B	97, 163, 229
Decimal	6415845
CIE Lab	84.09, -35.77, -10.90
CIE LCh	84, 37.396, 196.939
Yxy	64.2372, 0.2410, 0.3288
Android (android.graphics.Color)	4284605925 (0xFF61E5E5)
YUV	189.5320, 19.4577, -81.1506
Hunter-Lab	80.1481, -35.3796, -6.0696

Details

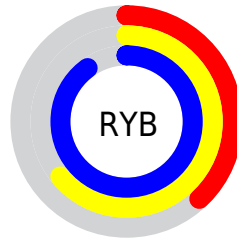
The XYZ color **47.0919, 64.2372, 84.0457** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **38.7476, 26.0724, 14.3015**, and the grayscale version is **48.6006, 51.1316, 55.6823**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **22.5836, 32.9431, 45.2128** is the 20% darker color. If you saturate the color by 10%, you get **44.9955, 63.1580, 83.9487**, and if you desaturate by 10%, it is **49.8962, 65.6843, 84.1787**.

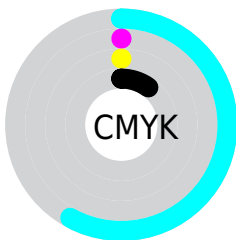
Distribution



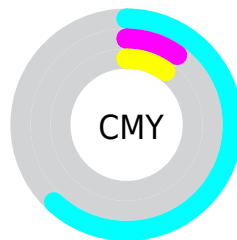
- Red (38%)
- Green (90%)
- Blue (90%)



- Red (38%)
- Yellow (64%)
- Blue (90%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (62%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0919, 64.2372, 84.0457 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 47.0919, 64.2372, 84.0457 by changing the saturation by 10% instead.


 47.0919, 64.2372,
84.0457

 47.0919, 64.2372,
84.0457


365.8240,
440.0457, 528.5270


 33.3166, 46.8428,
62.5076


 85.0687, 110.9525,
140.9014


 22.5295, 32.9114,
45.0045


 110.0009,
141.0422, 177.0560

 14.3652, 22.0586,
31.1180


 139.3827,
176.1324, 218.9199

 8.4585, 13.9000,
20.4295

 173.5795,
216.6076, 266.9116

 4.4440, 8.0511,
12.5205

212.9567,
262.8521, 321.4496

 1.9562, 4.1277,
6.9724

257.8796,

 0.6092, 1.7452,

315.2504, 382.9525

3.3666

308.7136,
374.1868, 451.8388

■ 0.0000, 0.4527,
1.2848

■ 0.0000, 0.0000,
0.0492

■ 47.0919, 64.2372,
84.0457

■ 47.0919, 64.2372,
84.0457

■ 44.9955, 63.1580,
83.9487

■ 49.8962, 65.6843,
84.1787

■ 43.5389, 62.4070,
83.8803


■ 53.4578, 67.5204,
84.3456


■ 42.6505, 61.9491,
83.8384


■ 57.8281, 69.7734,
84.5504


■ 42.2309, 61.7327,
83.8185


■ 63.0527, 72.4667,
84.7952


 42.1632, 61.6978,
83.8153

 69.1734, 75.6221,
85.0820

 76.2296, 79.2597,
85.4125

 83.4038, 82.9581,
85.7485

 83.4039, 82.9581,
85.7488

 83.4039, 82.9581,
85.7491

Harmonies

Analogous

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



46.8584, 64.2372, 60.1627



47.0919, 64.2372, 84.0457



50.8440, 64.2372, 108.7034

Triad

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



47.0919, 64.2372, 84.0457



73.4060, 64.2372, 105.8097



64.7142, 64.2372, 34.3414

Complementary

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



47.0919, 64.2372, 84.0457



38.7476, 26.0724, 14.3015

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.



72.5502, 64.2372, 41.7036



47.0919, 64.2372, 84.0457



77.8646, 64.2372, 80.7305

Square

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



47.0919, 64.2372, 84.0457



65.7992, 64.2372, 123.0816



77.5380, 64.2372, 57.5140



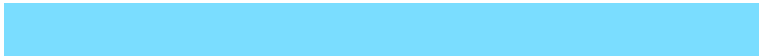
56.5455, 64.2372, 34.8395

Rectangle

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



47.0919, 64.2372, 84.0457



55.0451, 64.2372, 120.6767



77.5380, 64.2372, 57.5140



67.4882, 64.2372, 35.8935

Sweetspot

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



47.0938, 64.2397, 84.0472



80.8605, 92.6850, 108.2353



35.3464, 59.5682, 20.9456



16.9970, 19.6784, 23.1523



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.



47.0938, 64.2397, 84.0472



57.0381, 80.4042, 107.1185



32.5659, 35.1833, 79.2061



14.8075, 16.3364, 18.5171



24.1059, 35.2745, 47.9197



1.7813, 2.6067, 3.5411

Inverse Universe

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



38.7476, 26.0724, 14.3015



45.4528, 27.4245, 10.3051



47.1831, 42.9434, 17.1128



14.3771, 14.3680, 14.9201



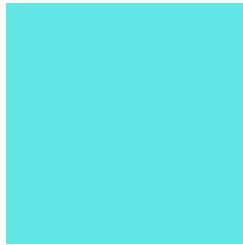
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 47.0919, 64.2372, 84.0457 looks on a white background.

Color Contrast Check

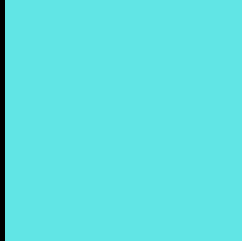
Large Text (above 18pt) WCAG AA × Fail

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 47.0919, 64.2372, 84.0457 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 47.0919, 64.2372, 84.0457

Background



This preview shows how black text looks on a background with the XYZ color 47.0919, 64.2372, 84.0457.



This preview shows how white text looks on a background with the XYZ color 47.0919, 64.2372,

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

47.0919, 64.2372, 84.0457

Protanopia

61.2858, 63.2852, 73.9509

Deuteranopia

64.6702, 63.3090, 87.4086



Tritanopia

49.6594, 64.4738, 96.2136

Trichromacy



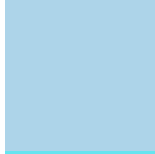
Original Color

47.0919, 64.2372, 84.0457



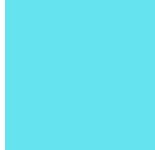
Protanomaly

53.7138, 62.2564, 77.5923



Deuteranomaly

55.4850, 61.8544, 86.1055



Tritanomaly

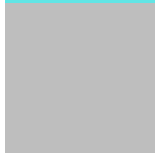
48.6902, 64.4855, 91.5421

Monochromacy



Original Color

47.0919, 64.2372, 84.0457



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.2023, 54.6133, 65.2330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0919, 64.2372, 84.0457 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(97, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(97, 229, 229)  
}
```

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(97, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 229, 229) }
```

Border

The CSS property to change the border of an element to XYZ 47.0919, 64.2372, 84.0457 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(97, 229, 229) }
```


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

```
.border{ border-color:rgb(97, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(97, 229,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0919, 64.2372, 84.0457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 229, 229) }
```

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

```
.background{ background-color: rgb(97, 229,  
229) }
```

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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