

Converting Colors

XYZ(47.0289, 58.5312, 87.3222)

Have a look what the booklet for
XYZ(47.0289, 58.5312, 87.3222)
contains.

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Color

**XYZ(47.0416, 58.5921,
87.4273)**

Conversions

Conversions Part 1

Format	Color
Hex	78D7EB
RGB	120, 215, 235
RGB Percent	47%, 84%, 92%
CMY	0.5294, 0.1568, 0.0784
CMYK	0.49, 0.09, 0.00, 0.08
HSL	190°, 74%, 70%
HSV	190°, 49%, 92%
XYZ	47.0416, 58.5921, 87.4273
YIQ	188.8750, -63.0400, -13.9200

Conversions

Conversions Part 2

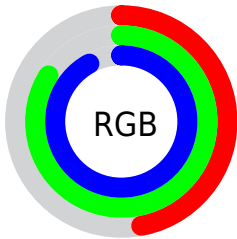
Format	Color
RYB	120, 172, 235
Decimal	7919595
CIELab	81.07, -22.89, -18.53
CIElCh	81, 29.451, 219.001
Yxy	58.5921, 0.2437, 0.3035
Android (android.graphics.Color)	4286109675 (0xFF78D7EB)
YUV	188.8750, 22.7396, -60.4034
Hunter-Lab	76.5455, -24.2561, -14.1369

Details

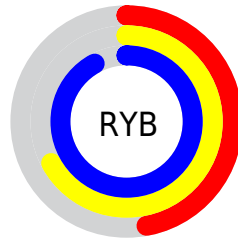
The XYZ color **47.0416, 58.5921, 87.4273** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.0305, 37.7758, 22.5838**, and the grayscale version is **48.2000, 50.7102, 55.2234**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **22.4524, 29.2958, 47.1191** is the 20% darker color. If you saturate the color by 10%, you get **43.1464, 55.0597, 86.9518**, and if you desaturate by 10%, it is **51.7661, 62.5932, 87.9516**.

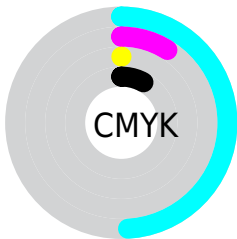
Distribution



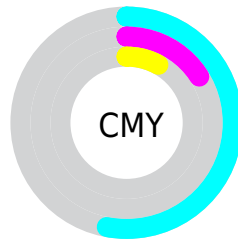
- Red (47%)
- Green (84%)
- Blue (92%)



- Red (47%)
- Yellow (67%)
- Blue (92%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (53%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0416, 58.5921, 87.4273 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 47.0416, 58.5921, 87.4273 by changing the saturation by 10% instead.

47.0416, 58.5921,
87.4273

47.0416, 58.5921,
87.4273

365.6267,
419.3886, 539.9786

33.2766, 42.2848,
65.2872

84.9941, 102.7846,
145.6637

22.4987, 29.3244,
47.2412

109.9123,
131.4386, 182.5971

14.3424, 19.3264,
32.8707

139.2790,
164.9770, 225.2987

8.4425, 11.9063,
21.7571

173.4595,
203.7842, 274.1870

4.4336, 6.6799,
13.4819

212.8191,
248.2446, 329.6807

1.9502, 3.2627,
7.6266

257.7233,

0.6058, 1.2704,

298.7425, 392.1981

3.7726

308.5374,
355.6624, 462.1579

■ 0.0000, 0.1181,
1.5015

■ 0.0000, 0.0000,
0.2190

■ 47.0416, 58.5921,
87.4273

■ 47.0416, 58.5921,
87.4273

■ 43.1464, 55.0597,
86.9518

■ 51.7661, 62.5932,
87.9516

■ 40.0153, 51.9582,
86.5182

■ 57.3682, 67.0843,
88.5232

■ 37.5821, 49.2546,
86.1246

■ 63.8987, 72.0931,
89.1458

■ 35.7662, 46.9069,
85.7672

■ 71.4030, 77.6434,
89.8216

■ 34.4458, 44.8521,
85.4401

■ 79.9236, 83.7573,
90.5526

■ 34.3173, 44.6416,
85.4063

■ 87.2556, 89.2983,
91.2357

■ 88.4692, 91.7254,
91.6402

■ 89.7100, 94.2069,
92.0538

■ 90.9782, 96.7434,
92.4766

Harmonies

Analogous

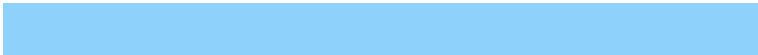
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8635, 58.5921, 69.2127



47.0416, 58.5921, 87.4273



51.5812, 58.5921, 100.6893

Triad

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



47.0416, 58.5921, 87.4273



67.4066, 58.5921, 76.6433



53.8703, 58.5921, 35.9781

Complementary

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



47.0416, 58.5921, 87.4273



47.0305, 37.7758, 22.5838

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.



60.0115, 58.5921, 37.2362



47.0416, 58.5921, 87.4273



68.1317, 58.5921, 58.6711

Square

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



47.0416, 58.5921, 87.4273



63.4239, 58.5921, 93.7137



65.3384, 58.5921, 44.8613



48.6119, 58.5921, 41.0390

Rectangle

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



47.0416, 58.5921, 87.4273



55.4853, 58.5921, 103.7449



65.3384, 58.5921, 44.8613



55.8953, 58.5921, 35.6992

Sweetspot

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



47.0434, 58.5943, 87.4287



80.2656, 89.2826, 107.6106



42.1280, 65.2800, 34.8718



16.7827, 18.8140, 22.9969



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.



47.0434, 58.5943, 87.4287



51.7971, 66.1443, 104.6449



35.0266, 34.5608, 83.4231



15.2819, 16.6502, 19.3306



19.1827, 25.0124, 47.5598



1.5649, 2.0812, 3.7541

Inverse Universe

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



53.2447, 36.0032, 68.4353



60.3659, 36.9197, 77.9537



57.5432, 58.8012, 26.0880



15.5958, 15.2662, 18.4229



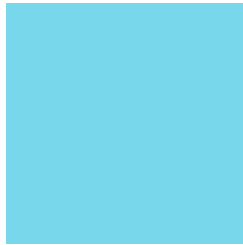
24.5378, 12.0178, 29.6973



1.9564, 0.9555, 2.4877

Previews

White Background



This preview shows how the XYZ color 47.0416, 58.5921, 87.4273 looks on a white background.

Color Contrast Check

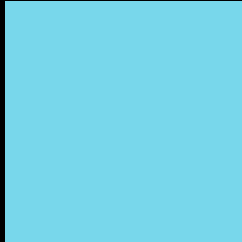
Large Text (above 18pt) WCAG AA × Fail

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 47.0416, 58.5921, 87.4273 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 47.0416, 58.5921, 87.4273

Background



This preview shows how black text looks on a background with the XYZ color 47.0416, 58.5921, 87.4273.



This preview shows how white text looks on a background with the XYZ color 47.0416, 58.5921,

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

47.0416, 58.5921, 87.4273

Protanopia

56.9039, 58.0990, 78.7361

Deuteranopia

59.4073, 58.1294, 89.7503



Tritanopia

46.6162, 58.4060, 85.9073

Trichromacy



Original Color

47.0416, 58.5921, 87.4273



Protanomaly

52.1971, 57.6991, 81.7847



Deuteranomaly

53.8018, 57.6556, 89.1819



Tritanomaly

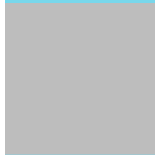
46.7595, 58.4633, 86.6620

Monochromacy



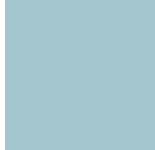
Original Color

47.0416, 58.5921, 87.4273



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.6445, 52.7369, 66.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0416, 58.5921, 87.4273 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(120, 215, 235)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 235)  
}
```

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(120, 215, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.0416, 58.5921, 87.4273 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(120, 215, 235) }
```


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

```
.border{ border-color:rgb(120, 215, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 215, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 215, 235);  
box-shadow:4px 4px 4px 4px rgb(120, 215,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0416, 58.5921, 87.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 235) }
```

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

```
.background{ background-color: rgb(120,  
215, 235) }
```

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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