

Converting Colors

XYZ(47.2562, 59.6570, 74.4996)

Have a look what the booklet for
XYZ(47.2562, 59.6570, 74.4996)
contains.

XYZ(47.3289, 59.7864, 74.6911)	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(47.3289, 59.7864,
74.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	87D9D9
RGB	135, 217, 217
RGB Percent	53%, 85%, 85%
CMY	0.4706, 0.1490, 0.1490
CMYK	0.38, 0.00, 0.00, 0.15
HSL	180°, 52%, 69%
HSV	180°, 38%, 85%
XYZ	47.3289, 59.7864, 74.6911
YIQ	192.4820, -48.8720, -17.3840

Conversions

Conversions Part 2

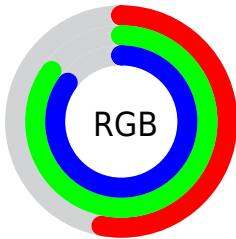
Format	Color
RYB	135, 176, 217
Decimal	8903129
CIELab	81.72, -24.91, -7.90
CIElCh	82, 26.131, 197.599
Yxy	59.7864, 0.2603, 0.3288
Android (android.graphics.Color)	4287093209 (0xFF87D9D9)
YUV	192.4820, 12.0874, -50.4117
Hunter-Lab	77.3217, -26.0524, -3.1477

Details

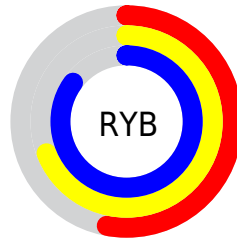
The XYZ color **47.3289, 59.7864, 74.6911** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.6545, 33.8306, 27.2583**, and the grayscale version is **50.3381, 52.9596, 57.6730**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **22.6664, 30.1116, 38.7999** is the 20% darker color. If you saturate the color by 10%, you get **44.1875, 58.1684, 74.5450**, and if you desaturate by 10%, it is **51.1854, 61.7760, 74.8733**.

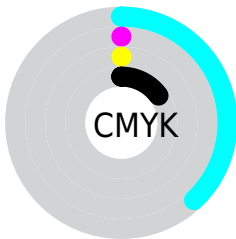
Distribution



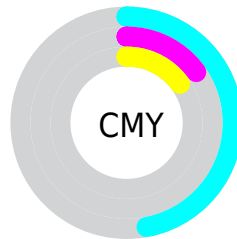
- Red (53%)
- Green (85%)
- Blue (85%)



- Red (53%)
- Yellow (69%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3289, 59.7864, 74.6911 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 47.3289, 59.7864, 74.6911 by changing the saturation by 10% instead.

47.3289, 59.7864,
74.6911

47.3289, 59.7864,
74.6911

366.7529,
423.8100, 496.0822

33.5048, 43.2465,
54.8597

85.4201, 104.5198,
127.6181

22.6745, 30.0786,
38.8915

110.4179,
133.4820, 161.5507

14.4727, 19.8982,
26.3682

139.8710,
167.3538, 201.0208

8.5341, 12.3211,
16.8710

174.1447,
206.5195, 246.4469

4.4932, 6.9627,
9.9816

213.6044,
251.3636, 298.2475

1.9848, 3.4388,
5.2813

258.6154,

0.6254, 1.3649,

302.2705, 356.8413

2.3516

309.5431,
359.6245, 422.6467

■ 0.0000, 0.1906,
0.7599

■ 0.0000, 0.0000,
0.0000

■ 47.3289, 59.7864,
74.6911

■ 47.3289, 59.7864,
74.6911

■ 44.1875, 58.1684,
74.5450

■ 51.1854, 61.7760,
74.8733

■ 41.7123, 56.8924,
74.4287

■ 55.7916, 64.1505,
75.0893

■ 39.8569, 55.9359,
74.3414

■ 61.1860, 66.9314,
75.3422

■ 38.5666, 55.2707,
74.2806

■ 67.4033, 70.1365,
75.6336

■ 37.7770, 54.8637,
74.2432

■ 74.4757, 73.7825,
75.9650

■ 37.3981, 54.6684,
74.2250

■ 78.5790, 75.8978,
76.1575

■ 37.3379, 54.6374,
74.2221

■ 78.5790, 75.8978,
76.1579

■ 78.5791, 75.8979,
76.1584

■ 78.5792, 75.8979,
76.1588

Harmonies

Analogous

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



47.1095, 59.7864, 58.8072



47.3289, 59.7864, 74.6911



49.9881, 59.7864, 90.1224

Triad

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



47.3289, 59.7864, 74.6911



64.9979, 59.7864, 87.7310



59.1267, 59.7864, 39.7706

Complementary

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



47.3289, 59.7864, 74.6911



41.6545, 33.8306, 27.2583

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.



64.2589, 59.7864, 45.1950



47.3289, 59.7864, 74.6911



67.7925, 59.7864, 71.8205

Square

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



47.3289, 59.7864, 74.6911



60.0831, 59.7864, 98.4456



67.5136, 59.7864, 56.3622



53.6872, 59.7864, 40.2847

Rectangle

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



47.3289, 59.7864, 74.6911



52.8895, 59.7864, 97.3066



67.5136, 59.7864, 56.3622



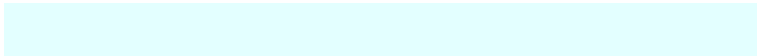
60.9514, 59.7864, 40.9182

Sweetspot

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



47.3307, 59.7888, 74.6925



85.4726, 95.0627, 108.4511



39.4008, 56.6424, 31.7793



18.0636, 20.2282, 23.2022



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.



47.3307, 59.7888, 74.6925



64.6668, 84.3370, 107.4752



38.3125, 41.7519, 71.6880



13.4449, 14.8296, 16.8058



22.6015, 33.0732, 44.9283



1.4642, 2.1426, 2.9107

Inverse Universe

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



41.6545, 33.8306, 27.2583



55.4070, 41.9902, 30.0937



48.2493, 47.0205, 29.4557



13.0561, 13.0515, 13.5567



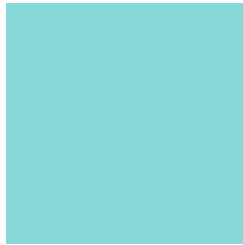
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 47.3289, 59.7864, 74.6911 looks on a white background.

Color Contrast Check

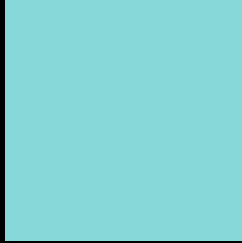
Large Text (above 18pt) WCAG AA × Fail

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 47.3289, 59.7864, 74.6911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

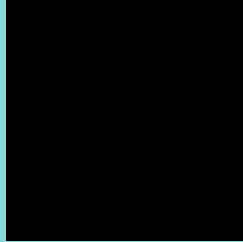
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3289, 59.7864, 74.6911

Background



This preview shows how black text looks on a background with the XYZ color 47.3289, 59.7864, 74.6911.



This preview shows how white text looks on a background with the XYZ color 47.3289, 59.7864,

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

47.3289, 59.7864, 74.6911

Protanopia

57.0510, 59.1157, 67.4350

Deuteranopia

60.4580, 59.2991, 76.6660



Tritanopia

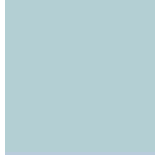
49.5134, 59.9160, 85.2993

Trichromacy



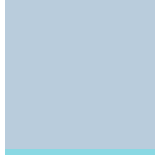
Original Color

47.3289, 59.7864, 74.6911



Protanomaly

52.6611, 58.9125, 70.2237



Deuteranomaly

54.5187, 58.6673, 76.1606



Tritanomaly

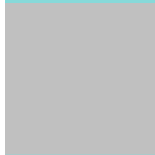
48.9022, 60.0611, 81.6886

Monochromacy



Original Color

47.3289, 59.7864, 74.6911



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.2238, 54.6483, 63.2648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3289, 59.7864, 74.6911 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(135, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(135, 217, 217)  
}
```

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(135, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 217, 217) }
```

Border

The CSS property to change the border of an element to XYZ 47.3289, 59.7864, 74.6911 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(135, 217, 217) }
```


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

```
.border{ border-color:rgb(135, 217, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(135, 217,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3289, 59.7864, 74.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 217, 217) }
```

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

```
.background{ background-color: rgb(135,  
217, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor