

Converting Colors

XYZ(47.4025, 58.9280, 77.1506)

Have a look what the booklet for
XYZ(47.4025, 58.9280, 77.1506)
contains.

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Color

**XYZ(47.5049, 59.0556,
77.3017)**

Conversions

Conversions Part 1

Format	Color
Hex	88D7DD
RGB	136, 215, 221
RGB Percent	53%, 84%, 87%
CMY	0.4667, 0.1568, 0.1333
CMYK	0.38, 0.03, 0.00, 0.13
HSL	184°, 56%, 70%
HSV	184°, 38%, 87%
XYZ	47.5049, 59.0556, 77.3017
YIQ	192.0630, -49.0100, -14.8820

Conversions

Conversions Part 2

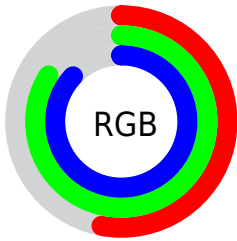
Format	Color
RYB	136, 177, 221
Decimal	8968157
CIELab	81.32, -22.69, -10.62
CIElCh	81, 25.056, 205.082
Yxy	59.0556, 0.2584, 0.3212
Android (android.graphics.Color)	4287158237 (0xFF88D7DD)
YUV	192.0630, 14.2659, -49.1673
Hunter-Lab	76.8476, -24.1400, -5.8470

Details

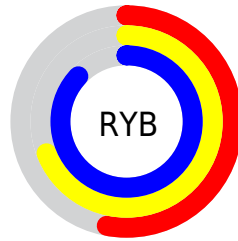
The XYZ color **47.5049, 59.0556, 77.3017** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9366, 36.4963, 28.0226**, and the grayscale version is **50.0810, 52.6891, 57.3784**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **22.7620, 29.6003, 40.5901** is the 20% darker color. If you saturate the color by 10%, you get **43.8844, 56.6039, 77.0203**, and if you desaturate by 10%, it is **51.8727, 61.9010, 77.6217**.

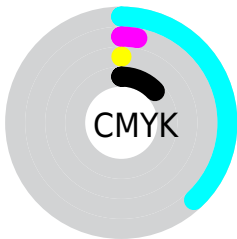
Distribution



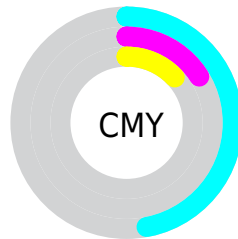
- Red (53%)
- Green (84%)
- Blue (87%)



- Red (53%)
- Yellow (69%)
- Blue (87%)



- Cyan (38%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5049, 59.0556, 77.3017 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 47.5049, 59.0556, 77.3017 by changing the saturation by 10% instead.

47.5049, 59.0556,
77.3017

47.5049, 59.0556,
77.3017

367.4416,
421.1079, 505.2570

33.6446, 42.6579,
56.9875

85.6810, 103.4585,
131.3422

22.7823, 29.6168,
40.5859

110.7274,
132.2324, 165.9055

14.5526, 19.5479,
27.6784

140.2333,
165.9005, 206.0556

8.5903, 12.0668,
17.8464

174.5640,
204.8473, 252.2111

4.5299, 6.7892,
10.6715

214.0848,
249.4570, 304.7904

2.0061, 3.3306,
5.7350

259.1611,

0.6374, 1.3067,

300.1140, 364.2122

2.6185

310.1583,
357.2029, 430.8948

■ 0.0000, 0.1464,
0.9020

■ 0.0000, 0.0000,
0.0000

■ 47.5049, 59.0556,
77.3017

■ 47.5049, 59.0556,
77.3017

■ 43.8844, 56.6039,
77.0203

■ 51.8727, 61.9010,
77.6217

■ 40.9601, 54.5152,
76.7713

■ 57.0244, 65.1548,
77.9782

■ 38.6828, 52.7658,
76.5536

■ 63.0006, 68.8392,
78.3744

■ 36.9948, 51.3256,
76.3646

■ 69.8374, 72.9730,
78.8120

■ 35.8277, 50.1596,
76.2011

■ 77.5690, 77.5737,
79.2925

■ 35.0804, 49.2155,
76.0582

■ 81.0439, 79.9858,
79.5749

■ 34.9802, 49.0783,
76.0370

■ 81.4659, 80.8296,
79.7156

■ 81.8917, 81.6812,
79.8575

■ 82.3213, 82.5405,
80.0007

Harmonies

Analogous

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



46.6941, 59.0556, 61.8634



47.5049, 59.0556, 77.3017



50.5679, 59.0556, 90.9311

Triad

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



47.5049, 59.0556, 77.3017



64.7884, 59.0556, 82.2395



56.9973, 59.0556, 39.6601

Complementary

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



47.5049, 59.0556, 77.3017



43.9366, 36.4963, 28.0226

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.



62.0870, 59.0556, 43.4559



47.5049, 59.0556, 77.3017



66.7597, 59.0556, 66.8029

Square

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



47.5049, 59.0556, 77.3017



60.5031, 59.0556, 94.0782



65.7419, 59.0556, 52.8472



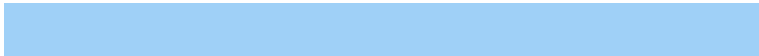
51.9739, 59.0556, 41.5816

Rectangle

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



47.5049, 59.0556, 77.3017



53.5808, 59.0556, 96.3455



65.7419, 59.0556, 52.8472



58.7599, 59.0556, 40.2901

Sweetspot

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



47.5067, 59.0579, 77.3031



83.9896, 93.2814, 108.1861



40.8685, 58.8913, 34.6746



17.7420, 19.8213, 23.1407



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.



47.5067, 59.0579, 77.3031



61.6578, 78.9501, 106.5969



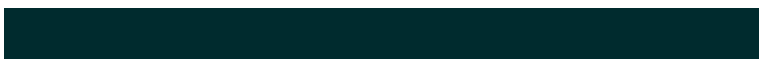
38.1174, 40.2793, 74.1733



13.3621, 14.6640, 16.7783



20.3553, 28.5800, 44.1821



1.3428, 1.8997, 2.8704

Inverse Universe

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



50.8901, 37.8882, 68.9235



67.0313, 46.0493, 93.1274



51.4390, 51.5013, 30.5234



13.5727, 13.2582, 16.2768



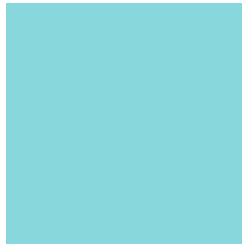
23.7697, 11.5089, 34.7631



1.5521, 0.7505, 2.3161

Previews

White Background



This preview shows how the XYZ color 47.5049, 59.0556, 77.3017 looks on a white background.

Color Contrast Check

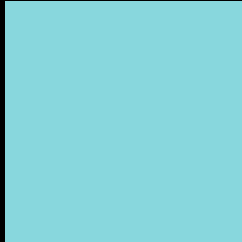
Large Text (above 18pt) WCAG AA × Fail

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 47.5049, 59.0556, 77.3017 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 47.5049, 59.0556, 77.3017

Background



This preview shows how black text looks on a background with the XYZ color 47.5049, 59.0556, 77.3017.

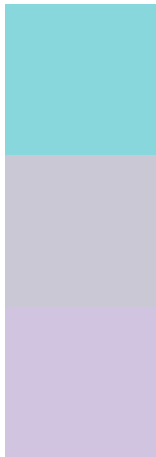


This preview shows how white text looks on a background with the XYZ color 47.5049, 59.0556,

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

47.5049, 59.0556, 77.3017

Protanopia

56.8951, 58.6186, 70.6032

Deuteranopia

59.6250, 58.4714, 79.3777



Tritanopia

48.8655, 58.8470, 84.3844

Trichromacy



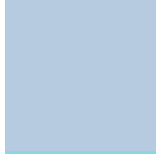
Original Color

47.5049, 59.0556, 77.3017



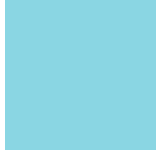
Protanomaly

52.4572, 58.0339, 72.7269



Deuteranomaly

54.1019, 58.0388, 78.8721



Tritanomaly

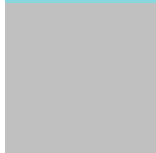
48.3929, 59.0425, 81.5188

Monochromacy



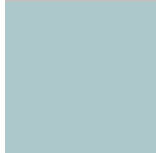
Original Color

47.5049, 59.0556, 77.3017



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.4470, 54.3910, 64.4450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5049, 59.0556, 77.3017 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(136, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 215, 221)  
}
```

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(136, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 215, 221) }
```

Border

The CSS property to change the border of an element to XYZ 47.5049, 59.0556, 77.3017 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(136, 215, 221) }
```


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

```
.border{ border-color:rgb(136, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 215,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5049, 59.0556, 77.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 215, 221) }
```

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

```
.background{ background-color: rgb(136,  
215, 221) }
```

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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