

Converting Colors

XYZ(48.4236, 60.2503, 77.1815)

Have a look what the booklet for
XYZ(48.4236, 60.2503, 77.1815)
contains.

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Color

**XYZ(48.5115, 60.3351,
77.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	8BD9DD
RGB	139, 217, 221
RGB Percent	55%, 85%, 87%
CMY	0.4549, 0.1490, 0.1333
CMYK	0.37, 0.02, 0.00, 0.13
HSL	183°, 55%, 71%
HSV	183°, 37%, 87%
XYZ	48.5115, 60.3351, 77.4956
YIQ	194.1340, -47.7720, -15.2920

Conversions

Conversions Part 2

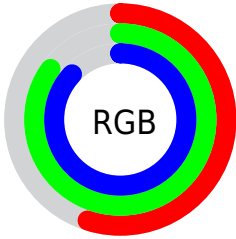
Format	Color
RYB	139, 179, 221
Decimal	9165277
CIELab	82.02, -22.92, -9.57
CIELCh	82, 24.835, 202.658
Yxy	60.3351, 0.2603, 0.3238
Android (android.graphics.Color)	4287355357 (0xFF8BD9DD)
YUV	194.1340, 13.2449, -48.3525
Hunter-Lab	77.6757, -24.4522, -4.7796

Details

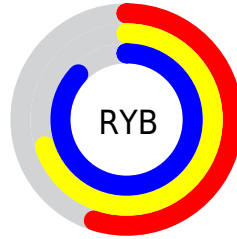
The XYZ color **48.5115, 60.3351, 77.4956** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3025, 36.8820, 29.2116**, and the grayscale version is **51.3033, 53.9751, 58.7789**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **23.4594, 30.4787, 40.7229** is the 20% darker color. If you saturate the color by 10%, you get **44.9115, 58.0697, 77.2491**, and if you desaturate by 10%, it is **52.8628, 62.9934, 77.7804**.

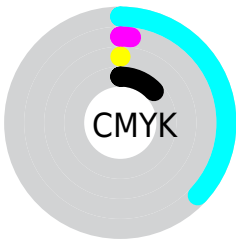
Distribution



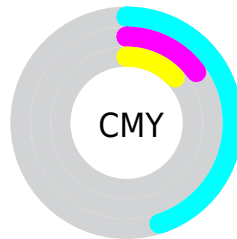
- Red (55%)
- Green (85%)
- Blue (87%)



- Red (55%)
- Yellow (70%)
- Blue (87%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)





- Cyan (45%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5115, 60.3351, 77.4956 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 48.5115, 60.3351, 77.4956 by changing the saturation by 10% instead.


 48.5115, 60.3351,
77.4956


 48.5115, 60.3351,
77.4956


371.3650,
425.8318, 505.9346

 34.4451, 43.6888,
57.1457


 87.1706, 105.3156,
131.6182

 23.4002, 30.4259,
40.7121


 112.4939,
134.4186, 166.2281

 15.0116, 20.1621,
27.7762

142.3003,
168.4426, 206.4283

 8.9139, 12.5129,
17.9195

176.9551,
207.7721, 252.6375

 4.7417, 7.0940,
10.7233

216.8236,
252.7913, 305.2742

 2.1297, 3.5210,
5.7693

262.2711,

 0.7053, 1.4094,

303.8848, 364.7569

2.6388

313.6631,
361.4368, 431.5042

■ 0.0000, 0.2236,
0.9124

■ 0.0000, 0.0000,
0.0000

■ 48.5115, 60.3351,
77.4956

■ 48.5115, 60.3351,
77.4956

■ 44.9115, 58.0697,
77.2491

■ 52.8628, 62.9934,
77.7804

■ 42.0122, 56.1668,
77.0346

■ 58.0014, 66.0588,
78.1012

■ 39.7653, 54.6029,
76.8512

■ 63.9675, 69.5535,
78.4613

■ 38.1140, 53.3487,
76.6961

■ 70.7970, 73.4960,
78.8624

■ 36.9918, 52.3699,
76.5664

■ 78.5237, 77.9037,
79.3059

■ 36.3113, 51.6216,
76.4578

■ 80.8044, 79.5066,
79.4951

■ 36.1539, 51.4257,
76.4283

■ 81.0940, 80.0858,
79.5916

■ 81.3854, 80.6687,
79.6888

■ 81.6787, 81.2553,
79.7865

Harmonies

Analogous

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



47.8902, 60.3351, 62.0628



48.5115, 60.3351, 77.4956



51.4287, 60.3351, 91.5157

Triad

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



48.5115, 60.3351, 77.4956



65.7683, 60.3351, 84.8746



58.6487, 60.3351, 40.9530

Complementary

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



48.5115, 60.3351, 77.4956



44.3025, 36.8820, 29.2116

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.



63.7021, 60.3351, 45.2541



48.5115, 60.3351, 77.4956



67.9727, 60.3351, 69.4655

Square

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



48.5115, 60.3351, 77.4956



61.3314, 60.3351, 96.2099



67.1944, 60.3351, 55.1570



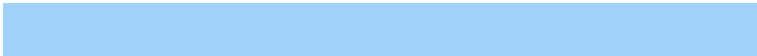
53.5384, 60.3351, 42.4284

Rectangle

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



48.5115, 60.3351, 77.4956



54.3849, 60.3351, 97.3998



67.1944, 60.3351, 55.1570



60.4141, 60.3351, 41.7455

Sweetspot

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



48.5133, 60.3375, 77.4970



85.0381, 94.1933, 108.3069



41.3678, 59.1481, 34.7243



17.9592, 20.0193, 23.1675



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.



48.5133, 60.3375, 77.4970



62.9085, 80.8195, 106.8918



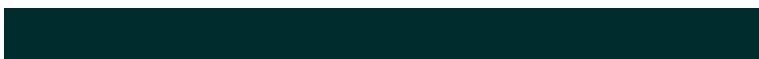
39.4749, 42.2607, 74.4842



13.3876, 14.7150, 16.7868



21.0270, 29.9234, 44.4060



1.3793, 1.9728, 2.8825

Inverse Universe

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



51.5773, 38.8488, 70.4283



67.8169, 46.9542, 95.4432



51.3588, 50.9947, 31.5637



13.5855, 13.2633, 16.3446



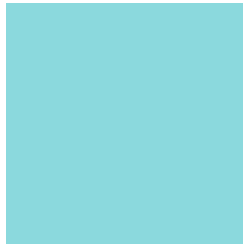
24.1088, 11.6446, 36.5485



1.5705, 0.7578, 2.4132

Previews

White Background



This preview shows how the XYZ color 48.5115, 60.3351, 77.4956 looks on a white background.

Color Contrast Check

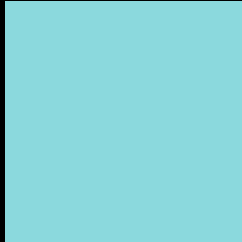
Large Text (above 18pt) WCAG AA × Fail

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 48.5115, 60.3351, 77.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

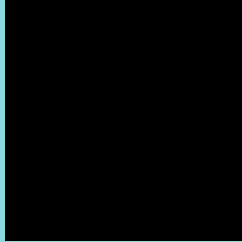
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5115, 60.3351, 77.4956

Background



This preview shows how black text looks on a background with the XYZ color 48.5115, 60.3351, 77.4956.

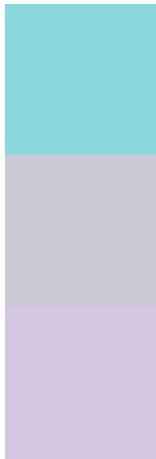


This preview shows how white text looks on a background with the XYZ color 48.5115, 60.3351,

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

48.5115, 60.3351, 77.4956

Protanopia

57.9060, 59.8319, 70.7841

Deuteranopia

61.2253, 59.9705, 79.5827



Tritanopia

50.1637, 60.2349, 86.0734

Trichromacy



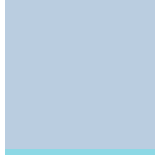
Original Color

48.5115, 60.3351, 77.4956



Protanomaly

53.4010, 59.2352, 72.9090



Deuteranomaly

55.5356, 59.4836, 79.0754



Tritanomaly

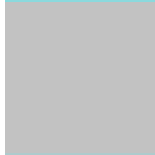
49.6832, 60.4316, 83.1746

Monochromacy



Original Color

48.5115, 60.3351, 77.4956



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.4752, 55.5994, 65.2509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5115, 60.3351, 77.4956 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(139, 217, 221)` looks like.

```
.text, #text, p{  
    color:rgb(139, 217, 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(139, 217, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 217, 221) }
```

Border

The CSS property to change the border of an element to XYZ 48.5115, 60.3351, 77.4956 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(139, 217, 221) }
```


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

```
.border{ border-color:rgb(139, 217, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 217, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 217, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 217, 221);  
box-shadow:4px 4px 4px 4px rgb(139, 217,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5115, 60.3351, 77.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 217, 221) }
```

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

```
.background{ background-color: rgb(139,  
217, 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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