

Converting Colors

XYZ(48.6890, 62.8073, 79.5123)

Have a look what the booklet for
XYZ(48.6890, 62.8073, 79.5123)
contains.

XYZ(48.6090, 62.6923, 79.3509)	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(48.6090, 62.6923,
79.3509)**

Conversions

Conversions Part 1

Format	Color
Hex	80DFDF
RGB	128, 223, 223
RGB Percent	50%, 87%, 87%
CMY	0.4980, 0.1255, 0.1255
CMYK	0.43, 0.00, 0.00, 0.13
HSL	180°, 60%, 69%
HSV	180°, 43%, 87%
XYZ	48.6090, 62.6923, 79.3509
YIQ	194.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

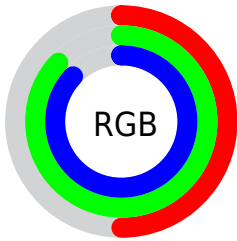
Format	Color
RYB	128, 176, 223
Decimal	8445919
CIELab	83.28, -28.08, -8.81
CIElCh	83, 29.432, 197.415
Yxy	62.6923, 0.2550, 0.3288
Android (android.graphics.Color)	4286635999 (0xFF80DFDF)
YUV	194.5950, 14.0037, -58.4038
Hunter-Lab	79.1785, -28.9782, -3.9942

Details

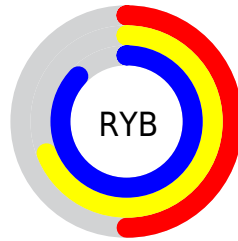
The XYZ color **48.6090, 62.6923, 79.3509** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.0490, 32.6866, 24.5171**, and the grayscale version is **51.5760, 54.2619, 59.0912**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.4124, 31.7667, 41.9434** is the 20% darker color. If you saturate the color by 10%, you get **45.6168, 61.1513, 79.2118**, and if you desaturate by 10%, it is **52.3420, 64.6182, 79.5274**.

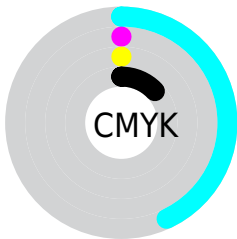
Distribution



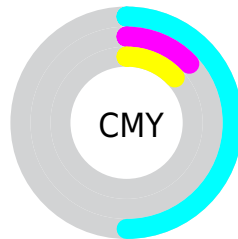
- Red (50%)
- Green (87%)
- Blue (87%)



- Red (50%)
- Yellow (69%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (50%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6090, 62.6923, 79.3509 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 48.6090, 62.6923, 79.3509 by changing the saturation by 10% instead.


 48.6090, 62.6923,
79.3509


 48.6090, 62.6923,
79.3509


371.7435,
434.4519, 512.3916


 34.5227, 45.5923,
58.6613


 87.3147, 108.7255,
134.2559

 23.4602, 31.9242,
41.9223


 112.6647,
138.4275, 169.3084

 15.0562, 21.3036,
28.7154


 142.5001,
173.0989, 209.9856

 8.9454, 13.3461,
18.6219

177.1861,
213.1242, 256.7061

 4.7624, 7.6673,
11.2233

217.0880,
258.8878, 309.8884

 2.1419, 3.8828,
6.1012

262.5714,

 0.7118, 1.6082,

310.7740, 369.9511

2.8369

314.0014,
369.1672, 437.3126

■ 0.0000, 0.3631,
1.0120

■ 0.0000, 0.0000,
0.0000

■ 48.6090, 62.6923,
79.3509

■ 48.6090, 62.6923,
79.3509

■ 45.6168, 61.1513,
79.2118

■ 52.3420, 64.6182,
79.5274

■ 43.3110, 59.9626,
79.1035


■ 56.8546, 66.9445,
79.7390


■ 41.6388, 59.1005,
79.0249


■ 62.1895, 69.6948,
79.9890


■ 40.5371, 58.5326,
78.9729

■ 68.3848, 72.8886,
80.2794


 39.9302, 58.2198,
78.9441


 75.4762, 76.5443,
80.6117

 39.7078, 58.1051,
78.9334

 80.9487, 79.3655,
80.8682

 80.9488, 79.3655,
80.8686

 80.9489, 79.3655,
80.8690

 80.9489, 79.3656,
80.8694

Harmonies

Analogous

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



48.3753, 62.6923, 60.8728



48.6090, 62.6923, 79.3509



51.6487, 62.6923, 97.6065

Triad

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



48.6090, 62.6923, 79.3509



69.1055, 62.6923, 94.9681



62.3065, 62.6923, 39.3405

Complementary

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



48.6090, 62.6923, 79.3509



42.0490, 32.6866, 24.5171

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.



68.3001, 62.6923, 45.4799



48.6090, 62.6923, 79.3509



72.4099, 62.6923, 76.2247

Square

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



48.6090, 62.6923, 79.3509



63.3430, 62.6923, 107.6719



72.1050, 62.6923, 58.2562



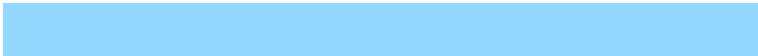
55.9828, 62.6923, 39.8747

Rectangle

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



48.6090, 62.6923, 79.3509



54.9889, 62.6923, 106.2063



72.1050, 62.6923, 58.2562



64.4349, 62.6923, 40.6387

Sweetspot

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



48.6109, 62.6948, 79.3524



83.8881, 94.2459, 108.3769



39.4279, 59.0493, 29.7429



17.5930, 19.9856, 23.1801



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.



48.6109, 62.6948, 79.3524



62.2596, 83.0960, 107.3626



37.9618, 41.3961, 75.8043



14.1166, 15.5724, 17.6493



23.3466, 34.1635, 46.4097



1.6183, 2.3680, 3.2169

Inverse Universe

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



42.0490, 32.6866, 24.5171



52.2660, 37.3941, 23.8495



49.4499, 47.4886, 26.9832



13.7073, 13.7006, 14.2289



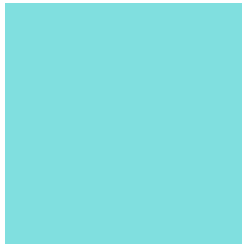
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 48.6090, 62.6923, 79.3509 looks on a white background.

Color Contrast Check

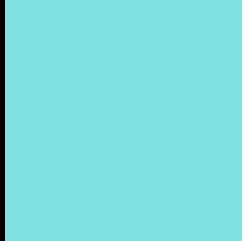
Large Text (above 18pt) WCAG AA × Fail

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 48.6090, 62.6923, 79.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

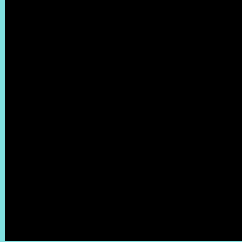
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6090, 62.6923, 79.3509

Background



This preview shows how black text looks on a background with the XYZ color 48.6090, 62.6923, 79.3509.

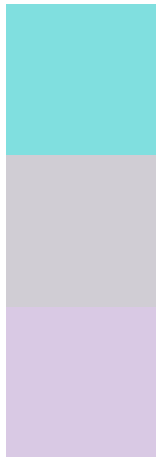


This preview shows how white text looks on a background with the XYZ color 48.6090, 62.6923,

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

48.6090, 62.6923, 79.3509

Protanopia

59.7274, 61.8260, 71.0730

Deuteranopia

63.5055, 62.1264, 82.0433



Tritanopia

50.9619, 62.8725, 90.3385

Trichromacy



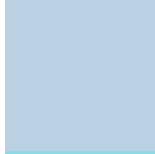
Original Color

48.6090, 62.6923, 79.3509



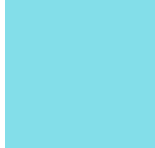
Protanomaly

54.5286, 61.6285, 73.9873



Deuteranomaly

56.5355, 61.4062, 80.8243



Tritanomaly

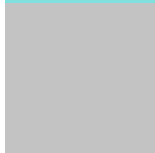
50.1893, 62.9510, 86.5963

Monochromacy



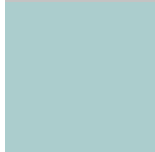
Original Color

48.6090, 62.6923, 79.3509



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.6454, 56.7283, 66.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6090, 62.6923, 79.3509 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(128, 223, 223)` looks like.

```
.text, #text, p{  
    color:rgb(128, 223, 223)  
}
```

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(128, 223, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 223, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.6090, 62.6923, 79.3509 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(128, 223, 223) }
```


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

```
.border{ border-color:rgb(128, 223, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 223, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 223, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 223, 223);  
box-shadow:4px 4px 4px 4px rgb(128, 223,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6090, 62.6923, 79.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 223, 223) }
```

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

```
.background{ background-color: rgb(128,  
223, 223) }
```

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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