

Converting Colors

XYZ(50.5218, 62.7867, 77.3670)

Have a look what the booklet for
XYZ(50.5218, 62.7867, 77.3670)
contains.

XYZ(50.6288, 62.9912, 77.2002)	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(50.6288, 62.9912,
77.2002)**

Conversions

Conversions Part 1

Format	Color
Hex	92DDDC
RGB	146, 221, 220
RGB Percent	57%, 87%, 86%
CMY	0.4274, 0.1333, 0.1372
CMYK	0.34, 0.00, 0.00, 0.13
HSL	179°, 52%, 72%
HSV	179°, 34%, 87%
XYZ	50.6288, 62.9912, 77.2002
YIQ	198.4610, -44.3790, -16.2110

Conversions

Conversions Part 2

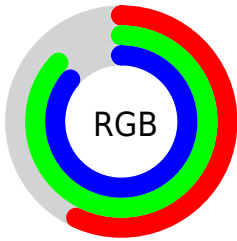
Format	Color
R _{YB}	146, 184, 221
Decimal	9625052
CIE Lab	83.44, -23.30, -6.90
CIE LCh	83, 24.298, 196.488
Yxy	62.9912, 0.2653, 0.3301
Android (android.graphics.Color)	4287815132 (0xFF92DDDC)
YUV	198.4610, 10.6187, -46.0083
Hunter-Lab	79.3670, -25.0258, -2.1144

Details

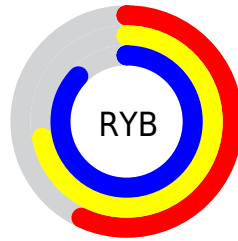
The XYZ color **50.6288, 62.9912, 77.2002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3664, 38.0384, 32.5573**, and the grayscale version is **53.9153, 56.7231, 61.7714**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **24.7421, 32.2132, 40.5110** is the 20% darker color. If you saturate the color by 10%, you get **47.0350, 61.1446, 76.8293**, and if you desaturate by 10%, it is **54.9857, 65.2343, 77.6099**.

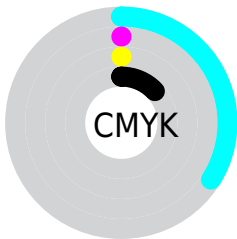
Distribution



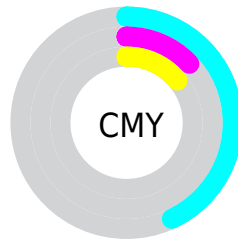
- Red (57%)
- Green (87%)
- Blue (86%)



- Red (57%)
- Yellow (72%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (43%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6288, 62.9912, 77.2002 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 50.6288, 62.9912, 77.2002 by changing the saturation by 10% instead.

 50.6288, 62.9912,
77.2002


 50.6288, 62.9912,
77.2002


379.5313,
435.5376, 504.9021

 36.1331, 45.8341,
56.9047


 90.2921, 109.1568,
131.1976

 24.7076, 32.1149,
40.5198


 116.1904,
138.9341, 165.7366

 15.9869, 21.4493,
27.6272


146.6204,
173.6869, 205.8605

 9.6057, 13.4528,
17.8083

181.9472,
213.7996, 251.9878

 5.1986, 7.7411,
10.6444

222.5364,
259.6567, 304.5371

 2.4002, 3.9297,
5.7171

268.7532,

 0.8452, 1.6343,

311.6424, 363.9268

2.6078

320.9631,
370.1412, 430.5757

■ 0.0000, 0.3806,
0.8965

■ 0.0000, 0.0000,
0.0000

■ 50.6288, 62.9912,
77.2002

■ 50.6288, 62.9912,
77.2002

■ 47.0350, 61.1446,
76.8293

■ 54.9857, 65.2343,
77.6099

■ 44.1550, 59.6644,
76.4908

■ 60.1407, 67.8872,
78.0560

■ 41.9421, 58.5281,
76.1839

■ 66.1330, 70.9719,
78.5416

■ 40.3418, 57.7077,
75.9060

■ 72.9979, 74.5063,
79.0684

■ 39.2914, 57.1706,
75.6542

■ 80.2125, 78.2210,
79.6119

■ 38.7143, 56.8776,
75.4249

■ 80.2520, 78.2368,
79.8200

■ 38.5189, 56.7796,
75.2933

■ 80.2916, 78.2527,
80.0284

■ 80.3313, 78.2685,
80.2373

■ 80.3710, 78.2844,
80.4465

Harmonies

Analogous

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



50.5065, 62.9912, 61.9961



50.6288, 62.9912, 77.2002



53.1307, 62.9912, 91.9833

Triad

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



50.6288, 62.9912, 77.2002



67.5634, 62.9912, 90.6874



62.2820, 62.9912, 43.9605

Complementary

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



50.6288, 62.9912, 77.2002



45.3664, 38.0384, 32.5573

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.



67.1590, 62.9912, 49.5375



50.6288, 62.9912, 77.2002



70.3274, 62.9912, 75.6285

Square

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



50.6288, 62.9912, 77.2002



62.8078, 62.9912, 100.5209



70.1752, 62.9912, 60.6390



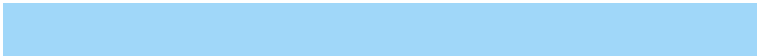
57.0277, 62.9912, 44.2524

Rectangle

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



50.6288, 62.9912, 77.2002



55.9002, 62.9912, 98.9523



70.1752, 62.9912, 60.6390



64.0260, 62.9912, 45.1712

Sweetspot

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



50.6307, 62.9937, 77.2017



86.2280, 95.4585, 108.2009



43.1242, 60.0169, 36.5071



18.2117, 20.3061, 23.1394



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.



50.6307, 62.9937, 77.2017



66.2464, 85.1771, 106.3818



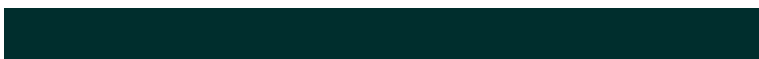
42.2039, 45.9270, 75.0498



13.4370, 14.8264, 16.7641



22.3789, 32.9842, 43.7563



1.4523, 2.1379, 2.8477

Inverse Universe

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



45.3664, 38.0384, 32.5573



57.8733, 45.4786, 35.3683



51.7886, 51.0081, 34.3116



13.0631, 13.0543, 13.5934



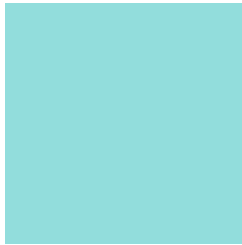
17.3349, 8.9350, 0.8775



1.1256, 0.5799, 0.0702

Previews

White Background



This preview shows how the XYZ color 50.6288, 62.9912, 77.2002 looks on a white background.

Color Contrast Check

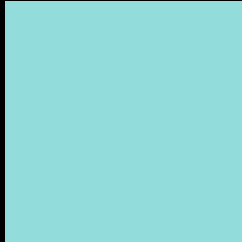
Large Text (above 18pt) WCAG AA × Fail

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 50.6288, 62.9912, 77.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

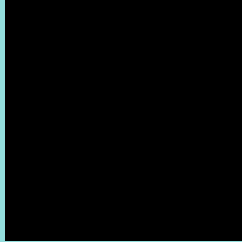
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6288, 62.9912, 77.2002

Background



This preview shows how black text looks on a background with the XYZ color 50.6288, 62.9912, 77.2002.



This preview shows how white text looks on a background with the XYZ color 50.6288, 62.9912,

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

50.6288, 62.9912, 77.2002

Protanopia

60.1237, 62.4011, 70.5038

Deuteranopia

63.5546, 62.2152, 79.1801



Tritanopia

53.0495, 63.2032, 88.7603

Trichromacy



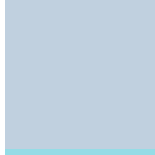
Original Color

50.6288, 62.9912, 77.2002



Protanomaly

55.6816, 61.8827, 72.6281



Deuteranomaly

57.6134, 61.6459, 78.6743



Tritanomaly

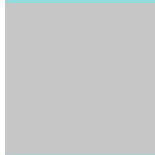
52.2706, 63.2891, 84.3240

Monochromacy



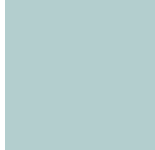
Original Color

50.6288, 62.9912, 77.2002



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.8023, 58.1826, 66.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6288, 62.9912, 77.2002 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(146, 221, 220) looks like.

```
.text, #text, p{  
    color:rgb(146, 221, 220)  
}
```

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(146, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 221, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.6288, 62.9912, 77.2002 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(146, 221, 220) }
```


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

```
.border{ border-color:rgb(146, 221, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 221, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 221, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 221, 220);  
box-shadow:4px 4px 4px 4px rgb(146, 221,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6288, 62.9912, 77.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 221, 220) }
```

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

```
.background{ background-color: rgb(146,  
221, 220) }
```

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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