

Converting Colors

XYZ(48.4809, 56.2936, 73.9569)

Have a look what the booklet for
XYZ(48.4809, 56.2936, 73.9569)
contains.

XYZ(48.5003, 56.3205, 73.9603)	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(48.5003, 56.3205,
73.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCED9
RGB	157, 206, 217
RGB Percent	62%, 81%, 85%
CMY	0.3843, 0.1921, 0.1490
CMYK	0.28, 0.05, 0.00, 0.15
HSL	191°, 44%, 73%
HSV	191°, 28%, 85%
XYZ	48.5003, 56.3205, 73.9603
YIQ	192.6030, -32.7350, -6.9670

Conversions

Conversions Part 2

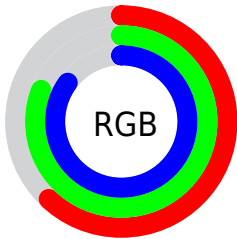
Format	Color
RYB	157, 184, 217
Decimal	10342105
CIELab	79.80, -13.36, -10.64
CIELCh	80, 17.084, 218.540
Yxy	56.3205, 0.2713, 0.3150
Android (android.graphics.Color)	4288532185 (0xFF9DCED9)
YUV	192.6030, 12.0277, -31.2238
Hunter-Lab	75.0470, -15.9738, -5.8986

Details

The XYZ color **48.5003, 56.3205, 73.9603** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.7043, 45.1915, 38.0553**, and the grayscale version is **50.4024, 53.0273, 57.7467**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **23.4587, 28.0082, 38.3521** is the 20% darker color. If you saturate the color by 10%, you get **43.6918, 52.4394, 73.4656**, and if you desaturate by 10%, it is **54.0884, 60.6422, 74.5009**.

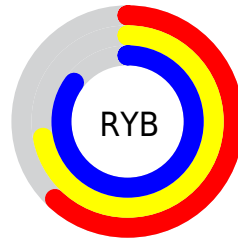
Distribution



Red (62%)

Green (81%)

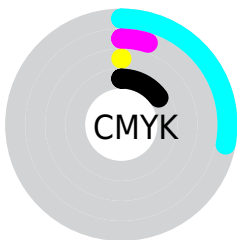
Blue (85%)



Red (62%)

Yellow (72%)

Blue (85%)

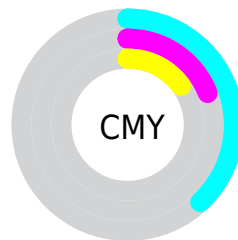


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (19%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5003, 56.3205, 73.9603 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 48.5003, 56.3205, 73.9603 by changing the saturation by 10% instead.

■ 48.5003, 56.3205,
73.9603

■ 48.5003, 56.3205,
73.9603

371.3215,
410.8982, 493.4961

■ 34.4361, 40.4599,
54.2650

■ 87.1540, 99.4730,
126.5731

■ 23.3933, 27.8973,
38.4189

■ 112.4743,
127.5338, 160.3275

■ 15.0065, 18.2483,
26.0036

142.2774,
160.4301, 199.6055

■ 8.9103, 11.1284,
16.6006

176.9285,
198.5463, 244.8254

■ 4.7394, 6.1533,
9.7912

216.7932,
242.2668, 296.4059

■ 2.1283, 2.9385,
5.1569

262.2366,

■ 0.7046, 1.0997,

291.9760, 354.7655

2.2793

313.6243,
348.0584, 420.3227

■ 0.0000, 0.0000,
0.7196

■ 0.0000, 0.0000,
0.0000

■ 48.5003, 56.3205,
73.9603

■ 48.5003, 56.3205,
73.9603

■ 43.6918, 52.4394,
73.4656

■ 54.0884, 60.6422,
74.5009

■ 39.6177, 48.9713,
73.0109

■ 60.4879, 65.4171,
75.0852

■ 36.2362, 45.8956,
72.5954

■ 67.7352, 70.6655,
75.7163

■ 33.4988, 43.1872,
72.2169

■ 75.8629, 76.4045,
76.3957

■ 31.3508, 40.8176,
71.8727

■ 80.9314, 80.6034,
76.9390

■ 29.7278, 38.7532,
71.5598

■ 82.0249, 82.7904,
77.3035

■ 28.5411, 36.9480,
71.2739

■ 83.1436, 85.0279,
77.6764

■ 28.2916, 36.5438,
71.2091

■ 84.2878, 87.3162,
78.0578

■ 85.4575, 89.6557,
78.4477

Harmonies

Analogous

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



47.2254, 56.3205, 64.1930



48.5003, 56.3205, 73.9603



51.1368, 56.3205, 80.7928

Triad

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



48.5003, 56.3205, 73.9603



59.9559, 56.3205, 68.5518



52.5503, 56.3205, 44.3647

Complementary

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



48.5003, 56.3205, 73.9603



48.7043, 45.1915, 38.0553

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.



55.9987, 56.3205, 45.2638



48.5003, 56.3205, 73.9603



60.3741, 56.3205, 58.5407

Square

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



48.5003, 56.3205, 73.9603



57.7785, 56.3205, 77.4439



58.8980, 56.3205, 50.2148



49.4969, 56.3205, 47.6113

Rectangle

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



48.5003, 56.3205, 73.9603



53.3619, 56.3205, 82.3810



58.8980, 56.3205, 50.2148



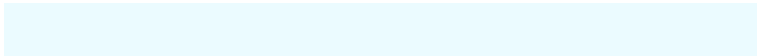
53.7004, 56.3205, 44.1998

Sweetspot

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



48.5020, 56.3228, 73.9616



86.7578, 93.9716, 108.1735



45.6936, 59.5849, 45.6531



18.2551, 19.8818, 23.1254



0.0000, 0.0000, 0.0000



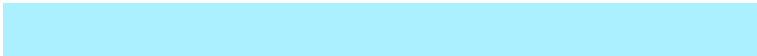
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5020, 56.3228, 73.9616



65.8474, 77.9319, 106.1796



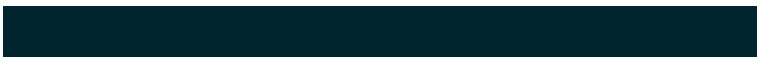
42.1523, 43.6233, 71.8450



13.2314, 14.4025, 16.7347



17.1978, 22.2650, 43.1296



1.1680, 1.5501, 2.8121

Inverse Universe

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



51.8141, 43.3232, 64.0264



71.4398, 56.5953, 89.2670



54.6683, 57.1196, 40.0433



13.5067, 13.2318, 15.9293



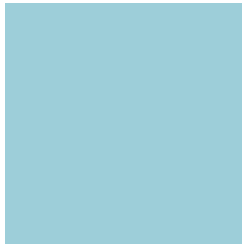
22.1760, 10.8714, 26.3704



1.4638, 0.7152, 1.8515

Previews

White Background



This preview shows how the XYZ color 48.5003, 56.3205, 73.9603 looks on a white background.

Color Contrast Check

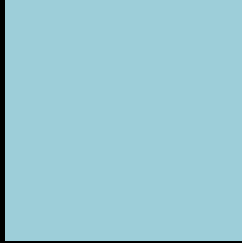
Large Text (above 18pt) WCAG AA × Fail

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 48.5003, 56.3205, 73.9603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

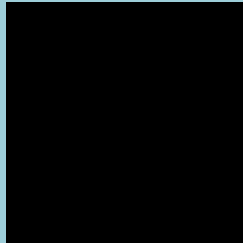
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5003, 56.3205, 73.9603

Background



This preview shows how black text looks on a background with the XYZ color 48.5003, 56.3205, 73.9603.

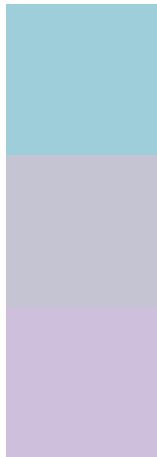


This preview shows how white text looks on a background with the XYZ color 48.5003, 56.3205,

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

48.5003, 56.3205, 73.9603

Protanopia

54.5238, 56.0533, 69.5737

Deuteranopia

57.2215, 55.9884, 75.5011



Tritanopia

49.1167, 56.2057, 77.3673

Trichromacy



Original Color

48.5003, 56.3205, 73.9603

Protanomaly

51.9559, 56.0577, 71.0326

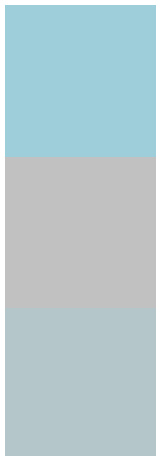
Deuteranomaly

53.4915, 55.7383, 74.9571

Tritanomaly

48.8501, 56.0991, 75.9637

Monochromacy



Original Color

48.5003, 56.3205, 73.9603

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6771, 54.3557, 63.7506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5003, 56.3205, 73.9603 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(157, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(157, 206, 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(157, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 206, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.5003, 56.3205, 73.9603 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(157, 206, 217) }
```


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

```
.border{ border-color:rgb(157, 206, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 206, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 206, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 206, 217); box-shadow:4px 4px 4px 4px rgb(157, 206, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5003, 56.3205, 73.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 206, 217) }
```

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

```
.background{ background-color: rgb(157,  
206, 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](#).

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