

Converting Colors

XYZ(48.6775, 56.5495, 74.4058)

Have a look what the booklet for
XYZ(48.6775, 56.5495, 74.4058)
contains.

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Color

**XYZ(48.6308, 56.3727,
74.6476)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCEDA
RGB	157, 206, 218
RGB Percent	62%, 81%, 85%
CMY	0.3843, 0.1921, 0.1451
CMYK	0.28, 0.06, 0.00, 0.15
HSL	192°, 45%, 74%
HSV	192°, 28%, 85%
XYZ	48.6308, 56.3727, 74.6476
YIQ	192.7170, -33.0560, -6.6560

Conversions

Conversions Part 2

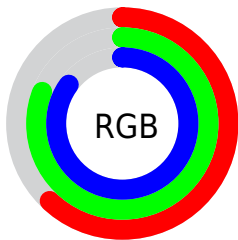
Format	Color
RYB	157, 184, 218
Decimal	10342106
CIELab	79.83, -13.13, -11.14
CIELCh	80, 17.218, 220.299
Yxy	56.3727, 0.2707, 0.3138
Android (android.graphics.Color)	4288532186 (0xFF9DCEDA)
YUV	192.7170, 12.4645, -31.3238
Hunter-Lab	75.0818, -15.7778, -6.3899

Details

The XYZ color **48.6308, 56.3727, 74.6476** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1878, 45.7159, 38.1310**, and the grayscale version is **50.4669, 53.0951, 57.8205**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **23.5480, 28.0439, 38.8222** is the 20% darker color. If you saturate the color by 10%, you get **43.7334, 52.3378, 74.1279**, and if you desaturate by 10%, it is **54.3186, 60.8596, 75.2148**.

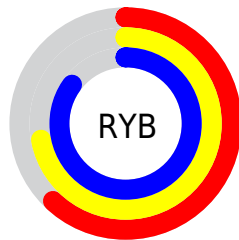
Distribution



Red (62%)

Green (81%)

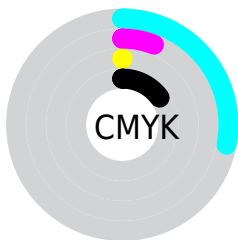
Blue (85%)



Red (62%)

Yellow (72%)

Blue (85%)

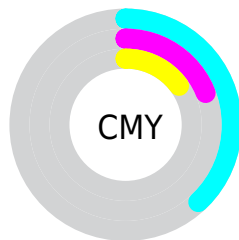


Cyan (28%)

Magenta (6%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (19%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6308, 56.3727, 74.6476 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 48.6308, 56.3727, 74.6476 by changing the saturation by 10% instead.

■ 48.6308, 56.3727,
74.6476

■ 48.6308, 56.3727,
74.6476

371.8282,
411.0945, 495.9285

■ 34.5400, 40.5018,
54.8242

■ 87.3469, 99.5493,
127.5559

■ 23.4736, 27.9300,
38.8634

■ 112.7029,
127.6238, 161.4779

■ 15.0662, 18.2729,
26.3464

142.5447,
160.5350, 200.9366

■ 8.9525, 11.1461,
16.8549

177.2377,
198.6672, 246.3505

■ 4.7671, 6.1652,
9.9702

217.1472,
242.4049, 298.1380

■ 2.1446, 2.9458,
5.2739

262.6385,

■ 0.7133, 1.1035,

292.1324, 356.7179

2.3473

314.0770,
348.2341, 422.5085

■ 0.0000, 0.0000,
0.7575

■ 0.0000, 0.0000,
0.0000

■ 48.6308, 56.3727,
74.6476

■ 48.6308, 56.3727,
74.6476

■ 43.7334, 52.3378,
74.1279

■ 54.3186, 60.8596,
75.2148

■ 39.5807, 48.7270,
73.6498

■ 60.8293, 65.8115,
75.8275

■ 36.1302, 45.5192,
73.2125

■ 68.1997, 71.2491,
76.4886

■ 33.3327, 42.6889,
72.8136

■ 76.4629, 77.1896,
77.1997

■ 31.1323, 40.2069,
72.4505

■ 81.4853, 81.5026,
77.7675

■ 29.4637, 38.0392,
72.1200

■ 82.6758, 83.8835,
78.1643

■ 28.2336, 36.1373,
71.8178

■ 83.8957, 86.3232,
78.5709

■ 28.0093, 35.7705,
71.7588

■ 85.1452, 88.8222,
78.9874

■ 86.4245, 91.3810,
79.4139

Harmonies

Analogous

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



47.2545, 56.3727, 64.8756



48.6308, 56.3727, 74.6476



51.3533, 56.3727, 81.2780

Triad

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



48.6308, 56.3727, 74.6476



60.1399, 56.3727, 68.0796



52.3915, 56.3727, 44.3689

Complementary

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



48.6308, 56.3727, 74.6476



49.1878, 45.7159, 38.1310

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.



55.8714, 56.3727, 45.0279



48.6308, 56.3727, 74.6476



60.4474, 56.3727, 58.0129

Square

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



48.6308, 56.3727, 74.6476



58.0323, 56.3727, 77.2106



58.8553, 56.3727, 49.7862



49.3625, 56.3727, 47.8767

Rectangle

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



48.6308, 56.3727, 74.6476



53.6155, 56.3727, 82.6398



58.8553, 56.3727, 49.7862



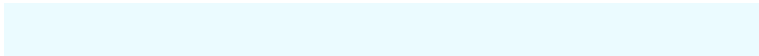
53.5456, 56.3727, 44.1206

Sweetspot

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



48.6325, 56.3750, 74.6489



86.6724, 93.8008, 108.1450



46.0621, 60.1460, 46.3181



18.2335, 19.8386, 23.1182



0.0000, 0.0000, 0.0000



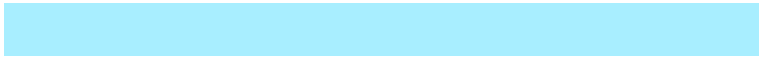
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6325, 56.3750, 74.6489



64.8217, 76.6964, 105.9952



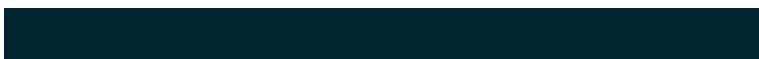
42.1481, 43.4062, 72.4874



13.2160, 14.3717, 16.7296



16.8571, 21.5836, 43.0160



1.1488, 1.5117, 2.8057

Inverse Universe

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



52.1123, 43.4769, 64.0404



70.7230, 55.5461, 87.8426



55.3509, 58.0421, 40.1854



13.4989, 13.2287, 15.8883



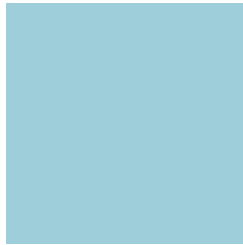
22.0040, 10.8026, 25.4648



1.4541, 0.7113, 1.8004

Previews

White Background



This preview shows how the XYZ color 48.6308, 56.3727, 74.6476 looks on a white background.

Color Contrast Check

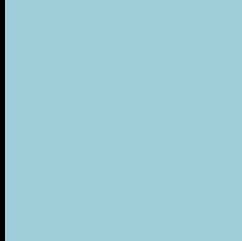
Large Text (above 18pt) WCAG AA × Fail

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 48.6308, 56.3727, 74.6476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

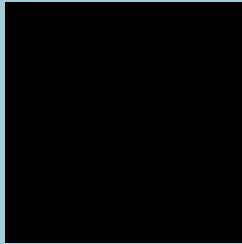
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6308, 56.3727, 74.6476

Background



This preview shows how black text looks on a background with the XYZ color 48.6308, 56.3727, 74.6476.

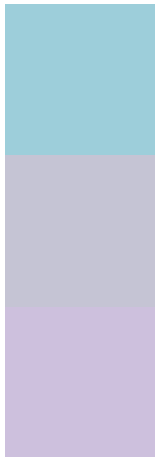


This preview shows how white text looks on a background with the XYZ color 48.6308, 56.3727,

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

48.6308, 56.3727, 74.6476

Protanopia

54.6496, 56.1036, 70.2361

Deuteranopia

57.0776, 55.8989, 76.1879



Tritanopia

49.1167, 56.2057, 77.3673

Trichromacy



Original Color

48.6308, 56.3727, 74.6476

Protanomaly

52.0833, 56.1087, 71.7033

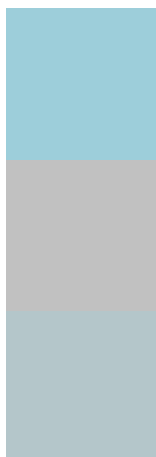
Deuteranomaly

53.6236, 55.7912, 75.6527

Tritanomaly

48.9830, 56.1522, 76.6634

Monochromacy



Original Color

48.6308, 56.3727, 74.6476

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 48.6308, 56.3727, 74.6476 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(157, 206, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 206, 218) }
```

Border

The CSS property to change the border of an element to XYZ 48.6308, 56.3727, 74.6476 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, 218) }
```


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

```
.border{ border-color:rgb(157, 206, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 206, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 206, 218);  
box-shadow:4px 4px 4px 4px rgb(157, 206,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6308, 56.3727, 74.6476 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, 218) }
```

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

```
.background{ background-color: rgb(157,  
206, 218) }
```

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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