

Converting Colors

XYZ(49.5889, 56.6399, 72.6640)

Have a look what the booklet for
XYZ(49.5889, 56.6399, 72.6640)
contains.

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Color

**XYZ(49.6141, 56.5683,
72.5938)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CDD7
RGB	165, 205, 215
RGB Percent	65%, 80%, 84%
CMY	0.3529, 0.1961, 0.1569
CMYK	0.23, 0.05, 0.00, 0.16
HSL	192°, 38%, 75%
HSV	192°, 23%, 84%
XYZ	49.6141, 56.5683, 72.5938
YIQ	194.1800, -27.0500, -5.3700

Conversions

Conversions Part 2

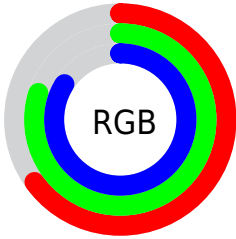
Format	Color
RYB	165, 187, 215
Decimal	10866135
CIELab	79.94, -10.93, -9.31
CIElCh	80, 14.361, 220.429
Yxy	56.5683, 0.2775, 0.3164
Android (android.graphics.Color)	4289056215 (0xFFA5CDD7)
YUV	194.1800, 10.2643, -25.5909
Hunter-Lab	75.2119, -13.8719, -4.5778

Details

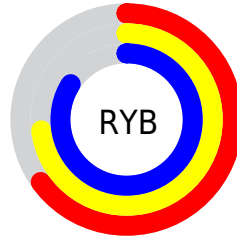
The XYZ color **49.6141, 56.5683, 72.5938** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1464, 47.8237, 42.1863**, and the grayscale version is **51.3387, 54.0123, 58.8194**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **24.0939, 28.1160, 37.4148** is the 20% darker color. If you saturate the color by 10%, you get **44.4988, 52.4269, 72.0650**, and if you desaturate by 10%, it is **55.5128, 61.1583, 73.1698**.

Distribution



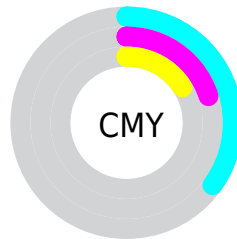
- Red (65%)
- Green (80%)
- Blue (84%)



- Red (65%)
- Yellow (73%)
- Blue (84%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6141, 56.5683, 72.5938 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 49.6141, 56.5683, 72.5938 by changing the saturation by 10% instead.

■ 49.6141, 56.5683,
72.5938

■ 49.6141, 56.5683,
72.5938

375.6319,
411.8297, 488.6388

■ 35.3234, 40.6587,
53.1541

■ 88.7981, 99.8350,
124.6159

■ 24.0798, 28.0525,
37.5372

■ 114.4221,
127.9609, 158.0355

■ 15.5179, 18.3653,
25.3247

144.5546,
160.9278, 196.9520

■ 9.2723, 11.2125,
16.0979

179.5610,
199.1200, 241.7841

■ 4.9778, 6.2100,
9.4383

219.8065,
242.9219, 292.9503

■ 2.2688, 2.9732,
4.9275

265.6566,

■ 0.7786, 1.1177,

292.7178, 350.8691

2.1468

317.4766,
348.8923, 415.9591

■ 0.0000, 0.0000,
0.6434

■ 0.0000, 0.0000,
0.0000

■ 49.6141, 56.5683,
72.5938

■ 49.6141, 56.5683,
72.5938

■ 44.4988, 52.4269,
72.0650

■ 55.5128, 61.1583,
73.1698

■ 40.1240, 48.7075,
71.5776

■ 62.2250, 66.2086,
73.7908

■ 36.4504, 45.3909,
71.1311

■ 69.7854, 71.7386,
74.4598

■ 33.4329, 42.4534,
70.7231

■ 78.2250, 77.7649,
75.1781

■ 31.0208, 39.8687,
70.3514

■ 80.8381, 80.8307,
75.6322

■ 29.1559, 37.6062,
70.0129

■ 82.0252, 83.2049,
76.0279

■ 27.7677, 35.6294,
69.7046

■ 83.2419, 85.6383,
76.4334

■ 27.0208, 34.4161,
69.5097

■ 84.4883, 88.1311,
76.8489

■ 85.7647, 90.6839,
77.2744

Harmonies

Analogous

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



48.4433, 56.5683, 64.5430



49.6141, 56.5683, 72.5938



51.9117, 56.5683, 77.9795

Triad

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



49.6141, 56.5683, 72.5938



59.2191, 56.5683, 67.1252



52.7589, 56.5683, 47.1243

Complementary

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



49.6141, 56.5683, 72.5938



50.1464, 47.8237, 42.1863

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.



55.6649, 56.5683, 47.6801



49.6141, 56.5683, 72.5938



59.4660, 56.5683, 58.7348

Square

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



49.6141, 56.5683, 72.5938



57.4816, 56.5683, 74.6302



58.1443, 56.5683, 51.7643



50.2150, 56.5683, 50.1705

Rectangle

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



49.6141, 56.5683, 72.5938



53.8084, 56.5683, 79.0688



58.1443, 56.5683, 51.7643



53.7246, 56.5683, 46.9033

Sweetspot

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



49.6158, 56.5706, 72.5951



87.6571, 94.5143, 108.2308



47.4748, 59.6637, 49.1448



18.6320, 20.1322, 23.1538



0.0000, 0.0000, 0.0000



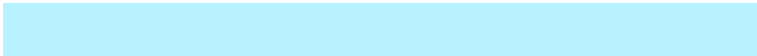
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6158, 56.5706, 72.5951



69.0951, 80.1082, 106.4285



44.2739, 45.8868, 70.8144



12.5715, 13.6664, 15.9128



16.2379, 20.7376, 41.6001



1.0342, 1.3604, 2.5274

Inverse Universe

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



52.5002, 45.7664, 63.8270



74.1335, 61.7094, 91.0068



55.2787, 58.0883, 43.8971



12.8417, 12.5882, 15.1064



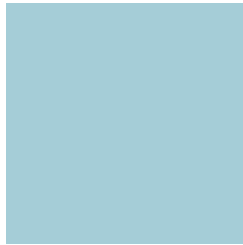
21.2550, 10.4383, 24.4446



1.3097, 0.6407, 1.6201

Previews

White Background



This preview shows how the XYZ color 49.6141, 56.5683, 72.5938 looks on a white background.

Color Contrast Check

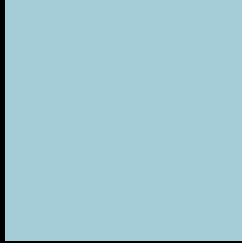
Large Text (above 18pt) WCAG AA × Fail

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 49.6141, 56.5683, 72.5938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

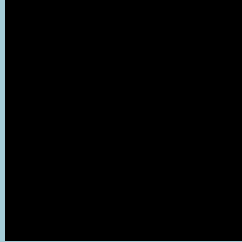
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6141, 56.5683, 72.5938

Background



This preview shows how black text looks on a background with the XYZ color 49.6141, 56.5683, 72.5938.



This preview shows how white text looks on a background with the XYZ color 49.6141, 56.5683,

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

49.6141, 56.5683, 72.5938

Protanopia

54.6615, 56.1388, 68.9277

Deuteranopia

57.5170, 56.1711, 74.1403



Tritanopia

50.2370, 56.4600, 75.9602

Trichromacy



Original Color

49.6141, 56.5683, 72.5938

Protanomaly

52.5568, 56.0394, 70.3340

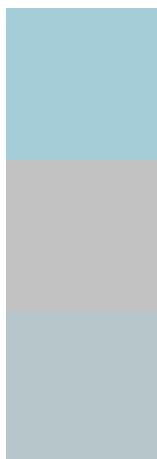
Deuteranomaly

54.2289, 56.1487, 73.6253

Tritanomaly

49.9736, 56.3547, 74.5733

Monochromacy



Original Color

49.6141, 56.5683, 72.5938

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.3832, 54.7197, 63.7836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6141, 56.5683, 72.5938 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(165, 205, 215)` looks like.

```
.text, #text, p{  
    color:rgb(165, 205, 215)  
}
```

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(165, 205, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 205, 215) }
```

Border

The CSS property to change the border of an element to XYZ 49.6141, 56.5683, 72.5938 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(165, 205, 215) }
```


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

```
.border{ border-color:rgb(165, 205, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 205, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 205, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 205, 215);  
box-shadow:4px 4px 4px 4px rgb(165, 205,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6141, 56.5683, 72.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 205, 215) }
```

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

```
.background{ background-color: rgb(165,  
205, 215) }
```

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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