

Converting Colors

XYZ(48.4010, 56.1088, 60.4940)

Have a look what the booklet for
XYZ(48.4010, 56.1088, 60.4940)
contains.

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Color

**XYZ(48.3727, 56.1942,
60.5216)**

Conversions

Conversions Part 1

Format	Color
Hex	AACDC4
RGB	170, 205, 196
RGB Percent	67%, 80%, 77%
CMY	0.3333, 0.1961, 0.2314
CMYK	0.17, 0.00, 0.04, 0.20
HSL	165°, 26%, 74%
HSV	165°, 17%, 80%
XYZ	48.3727, 56.1942, 60.5216
YIQ	193.5090, -17.9710, -10.2190

Conversions

Conversions Part 2

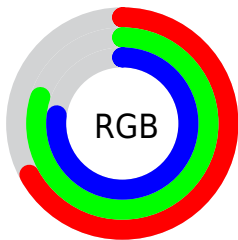
Format	Color
RYB	170, 190, 205
Decimal	11193796
CIELab	79.72, -13.40, 0.60
CIELCh	80, 13.418, 177.439
Yxy	56.1942, 0.2930, 0.3404
Android (android.graphics.Color)	4289383876 (0xFFAACDC4)
YUV	193.5090, 1.2281, -20.6174
Hunter-Lab	74.9628, -16.0007, 4.6059

Details

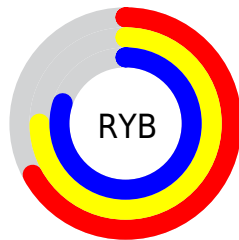
The XYZ color **48.3727, 56.1942, 60.5216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6903, 44.9848, 48.8197**, and the grayscale version is **50.9900, 53.6455, 58.4199**.

A 20% lighter version of the original color is **84.8537, 94.7806, 106.7507**, and **23.2852, 27.8681, 29.7430** is the 20% darker color. If you saturate the color by 10%, you get **43.6926, 53.8512, 57.2253**, and if you desaturate by 10%, it is **53.7682, 58.9066, 63.9639**.

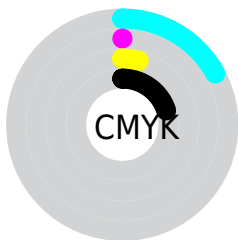
Distribution



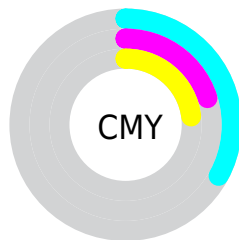
- Red (67%)
- Green (80%)
- Blue (77%)



- Red (67%)
- Yellow (75%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3727, 56.1942, 60.5216 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 48.3727, 56.1942, 60.5216 by changing the saturation by 10% instead.


 48.3727, 56.1942,
60.5216

 48.3727, 56.1942,
60.5216


370.8256,
410.4229, 444.3756

 34.3346, 40.3586,
43.4112


 86.9654, 99.2885,
107.1367

 23.3149, 27.8183,
29.8741


112.2507,
127.3160, 137.4785

 14.9482, 18.1887,
19.4918


142.0158,
160.1762, 173.0677

 8.8691, 11.0856,
11.8458

176.6261,
198.2537, 214.3230

 4.7123, 6.1244,
6.5175

216.4468,
241.9327, 261.6629

 2.1125, 2.9209,
3.0884

261.8434,

 0.6960, 1.0906,

291.5976, 315.5060

1.1399

313.1812,
347.6329, 376.2707

■ 0.0000, 0.0000,
0.0000

■ 48.3727, 56.1942,
60.5216

■ 48.3727, 56.1942,
60.5216

■ 43.6926, 53.8512,
57.2253

■ 53.7682, 58.9066,
63.9639

■ 39.6909, 51.8540,
54.0685

■ 59.9043, 61.9969,
67.5509

■ 36.3346, 50.1871,
51.0499

■ 66.8110, 65.4818,
71.2863

■ 33.5859, 48.8310,
48.1664

■ 74.5150, 69.3754,
75.1723

■ 31.4029, 47.7643,
45.4149

■ 76.3062, 70.2182,
78.8961

■ 29.7384, 46.9625,
42.7921

■ 77.0258, 70.5061,
82.6852

■ 28.5372, 46.3973,
40.2942

■ 77.7676, 70.8028,
86.5918

■ 27.7251, 46.0305,
37.9163

■ 78.5320, 71.1086,
90.6170

■ 27.5225, 45.9407,
37.2413

■ 79.3191, 71.4234,
94.7617

Harmonies

Analogous

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



49.1385, 56.1942, 53.5007



48.3727, 56.1942, 60.5216



48.9186, 56.1942, 68.3234

Triad

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



48.3727, 56.1942, 60.5216



55.8482, 56.1942, 75.4087



56.2646, 56.1942, 49.4506

Complementary

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



48.3727, 56.1942, 60.5216



47.6903, 44.9848, 48.8197

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.



58.1701, 56.1942, 54.5637



48.3727, 56.1942, 60.5216



57.9240, 56.1942, 69.5739

Square

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



48.3727, 56.1942, 60.5216



53.1784, 56.1942, 77.3376



58.7873, 56.1942, 61.8551



53.6440, 56.1942, 47.4558

Rectangle

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



48.3727, 56.1942, 60.5216



49.9635, 56.1942, 72.8490



58.7873, 56.1942, 61.8551



57.0133, 56.1942, 50.8393

Sweetspot

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



48.3743, 56.1965, 60.5229



89.9903, 97.4521, 105.9307



47.7564, 56.1908, 46.3600



19.1148, 20.7849, 22.5853



0.0000, 0.0000, 0.0000



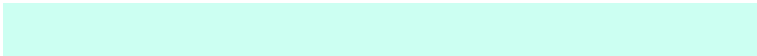
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3743, 56.1965, 60.5229



76.6712, 90.7611, 97.3896



47.5272, 52.8128, 65.4492



11.4152, 12.6758, 13.7440



17.1734, 28.6147, 23.3958



0.9157, 1.4881, 1.3636

Inverse Universe

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



47.6903, 44.9848, 48.8197



75.3725, 69.4616, 75.1606



48.3880, 47.7902, 44.7053



11.3288, 11.2602, 12.2659



16.1028, 8.2517, 2.9943



0.8625, 0.4384, 0.3217

Previews

White Background



This preview shows how the XYZ color 48.3727, 56.1942, 60.5216 looks on a white background.

Color Contrast Check

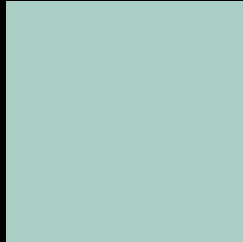
Large Text (above 18pt) WCAG AA × Fail

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 48.3727, 56.1942, 60.5216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

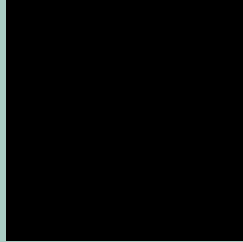
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

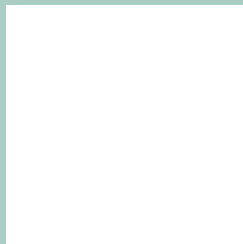
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3727, 56.1942, 60.5216

Background



This preview shows how black text looks on a background with the XYZ color 48.3727, 56.1942, 60.5216.

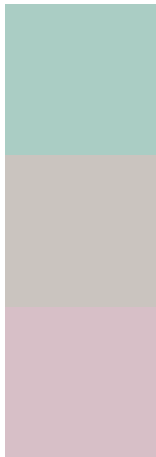


This preview shows how white text looks on a background with the XYZ color 48.3727, 56.1942,

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

48.3727, 56.1942, 60.5216

Protanopia

53.5010, 55.7980, 57.2405

Deuteranopia

56.9639, 55.8322, 61.8072



Tritanopia

51.2310, 56.3017, 74.4968

Trichromacy



Original Color

48.3727, 56.1942, 60.5216

Protanomaly

51.2843, 55.6443, 58.4895

Deuteranomaly

53.4862, 55.6992, 61.3581

Tritanomaly

50.2224, 56.2493, 69.1830

Monochromacy



Original Color

48.3727, 56.1942, 60.5216

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0520, 54.6426, 59.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3727, 56.1942, 60.5216 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(170, 205, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 205, 196)  
}
```

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(170, 205, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 205, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.3727, 56.1942, 60.5216 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(170, 205, 196) }
```


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

```
.border{ border-color:rgb(170, 205, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 205, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 205, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 205, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 205,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3727, 56.1942, 60.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 205, 196) }
```

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

```
.background{ background-color: rgb(170,  
205, 196) }
```

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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