

Converting Colors

XYZ(48.7406, 51.9126, 68.5556)

Have a look what the booklet for
XYZ(48.7406, 51.9126, 68.5556)
contains.

XYZ(48.6140, 51.6995, 68.3895)	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(48.6140, 51.6995,
68.3895)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C0D2
RGB	177, 192, 210
RGB Percent	69%, 75%, 82%
CMY	0.3059, 0.2470, 0.1765
CMYK	0.16, 0.09, 0.00, 0.18
HSL	213°, 27%, 76%
HSV	213°, 16%, 82%
XYZ	48.6140, 51.6995, 68.3895
YIQ	189.5670, -14.7180, 2.4180

Conversions

Conversions Part 2

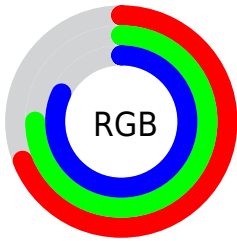
Format	Color
RYB	177, 187, 210
Decimal	11649234
CIELab	77.10, -1.43, -10.76
CIELCh	77, 10.856, 262.411
Yxy	51.6995, 0.2882, 0.3065
Android (android.graphics.Color)	4289839314 (0xFFB1C0D2)
YUV	189.5670, 10.0735, -11.0213
Hunter-Lab	71.9024, -5.1433, -6.0617

Details

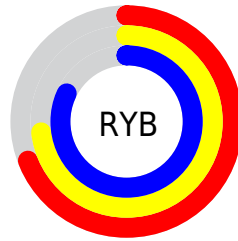
The XYZ color **48.6140, 51.6995, 68.3895** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.0298, 55.9063, 49.5396**, and the grayscale version is **48.6459, 51.1793, 55.7343**.

A 20% lighter version of the original color is **85.2217, 91.6784, 107.8118**, and **23.5455, 25.1506, 35.0661** is the 20% darker color. If you saturate the color by 10%, you get **41.7764, 44.5867, 67.3778**, and if you desaturate by 10%, it is **56.3865, 59.5875, 69.5032**.

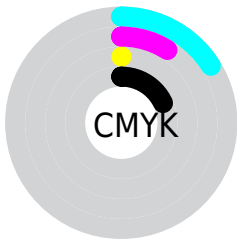
Distribution



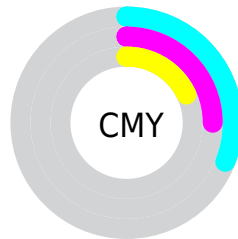
- Red (69%)
- Green (75%)
- Blue (82%)



- Red (69%)
- Yellow (73%)
- Blue (82%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6140, 51.6995, 68.3895 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 48.6140, 51.6995, 68.3895 by changing the saturation by 10% instead.

■ 48.6140, 51.6995,
68.3895

■ 48.6140, 51.6995,
68.3895

371.7630,
393.2754, 473.5103

■ 34.5266, 36.7656,
49.7460

■ 87.3221, 92.6879,
118.5687

■ 23.4633, 25.0261,
34.8419

112.6735,
119.5112, 150.9414

■ 15.0585, 16.0965,
23.2585

142.5103,
151.0665, 188.7276

■ 8.9471, 9.5924,
14.5774

177.1979,
187.7380, 232.3459

■ 4.7635, 5.1296,
8.3800

217.1016,
229.9103, 282.2148

■ 2.1425, 2.3235,
4.2478

262.5868,

■ 0.7122, 0.7861,

277.9677, 338.7528

1.7623

314.0188,
332.2946, 402.3784

■ 0.0000, 0.0000,
0.4029

■ 0.0000, 0.0000,
0.0000

■ 48.6140, 51.6995,
68.3895

■ 48.6140, 51.6995,
68.3895

■ 41.7764, 44.5867,
67.3778

■ 56.3865, 59.5875,
69.5032

■ 35.8312, 38.2165,
66.4616

■ 65.1249, 68.2690,
70.7183

■ 30.7390, 32.5633,
65.6388

■ 74.8645, 77.7697,
72.0388

■ 26.4558, 27.5972,
64.9060

■ 83.3943, 86.9558,
73.3623

■ 22.9331, 23.2859,
64.2595

■ 86.8323, 93.8317,
74.5083

■ 20.1166, 19.5937,
63.6953

■ 88.6330, 97.4332,
75.1086

■ 17.9441, 16.4804,
63.2088

■ 16.3392, 13.8983,
62.7950

■ 15.7676, 12.9223,
62.6368

Harmonies

Analogous

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



46.7460, 51.6995, 65.8362



48.6140, 51.6995, 68.3895



50.6750, 51.6995, 67.5249

Triad

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



48.6140, 51.6995, 68.3895



52.9187, 51.6995, 52.0488



46.0459, 51.6995, 49.6083

Complementary

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



48.6140, 51.6995, 68.3895



54.0298, 55.9063, 49.5396

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.



47.6340, 51.6995, 46.3794



48.6140, 51.6995, 68.3895



51.6119, 51.6995, 47.7178

Square

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



48.6140, 51.6995, 68.3895



53.1989, 51.6995, 57.8139



49.6674, 51.6995, 45.7124



45.2907, 51.6995, 54.7970

Rectangle

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



48.6140, 51.6995, 68.3895



51.8779, 51.6995, 65.1530



49.6674, 51.6995, 45.7124



46.4979, 51.6995, 48.2732

Sweetspot

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



48.6155, 51.7016, 68.3907



88.3355, 93.3048, 107.9616



50.9843, 59.3633, 60.1651



18.7121, 19.7751, 23.0807



0.0000, 0.0000, 0.0000



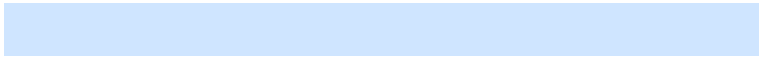
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6155, 51.7016, 68.3907



71.5587, 76.2249, 105.5491



45.7392, 45.5755, 67.3598



11.6000, 12.2903, 15.0045



9.7157, 8.0779, 38.2396



0.6221, 0.6093, 2.1644

Inverse Universe

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



51.8162, 48.9530, 56.5894



77.5276, 71.3014, 83.4950



57.2495, 62.8091, 50.7022



12.0290, 11.8963, 13.4285



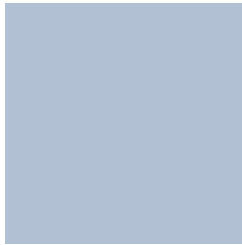
17.5347, 8.8867, 7.7221



1.0202, 0.5128, 0.6413

Previews

White Background



This preview shows how the XYZ color 48.6140, 51.6995, 68.3895 looks on a white background.

Color Contrast Check

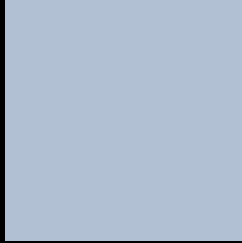
Large Text (above 18pt) WCAG AA × Fail

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 48.6140, 51.6995, 68.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

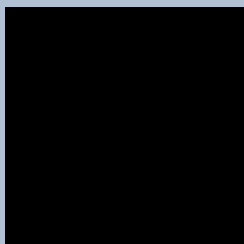
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

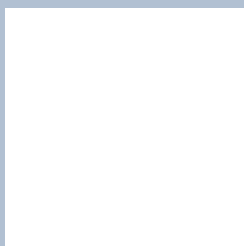
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6140, 51.6995, 68.3895

Background



This preview shows how black text looks on a background with the XYZ color 48.6140, 51.6995, 68.3895.



This preview shows how white text looks on a background with the XYZ color 48.6140, 51.6995,

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

48.6140, 51.6995, 68.3895

Protanopia

50.3218, 51.6406, 66.9899

Deuteranopia

52.6600, 51.5432, 68.8014



Tritanopia

48.3663, 51.6005, 67.0852

Trichromacy



Original Color

48.6140, 51.6995, 68.3895

Protanomaly

49.6892, 51.6207, 67.6665

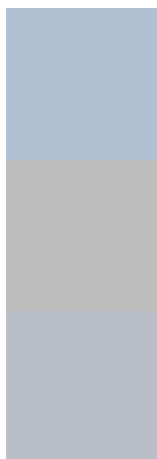
Deuteranomaly

51.2269, 51.7460, 68.9160

Tritanomaly

48.4897, 51.6498, 67.7353

Monochromacy



Original Color

48.6140, 51.6995, 68.3895

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7164, 51.6071, 60.2169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6140, 51.6995, 68.3895 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(177, 192, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 192, 210)  
}
```

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(177, 192, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 192, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.6140, 51.6995, 68.3895 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(177, 192, 210) }
```


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

```
.border{ border-color:rgb(177, 192, 210) }
```

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

Here you see how a box with a 4 pixel rgb(177, 192, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 192, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 192, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 192,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6140, 51.6995, 68.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 192, 210) }
```

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

```
.background{ background-color: rgb(177,  
192, 210) }
```

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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