

Converting Colors

XYZ(48.7887, 50.9604, 72.5214)

Have a look what the booklet for
XYZ(48.7887, 50.9604, 72.5214)
contains.

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Color

**XYZ(48.7126, 51.0149,
72.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BED8
RGB	176, 190, 216
RGB Percent	69%, 75%, 85%
CMY	0.3098, 0.2549, 0.1529
CMYK	0.19, 0.12, 0.00, 0.15
HSL	219°, 34%, 77%
HSV	219°, 19%, 85%
XYZ	48.7126, 51.0149, 72.2452
YIQ	188.7780, -16.6900, 5.1180

Conversions

Conversions Part 2

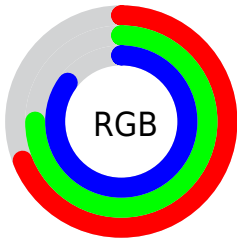
Format	Color
RYB	176, 186, 216
Decimal	11583192
CIELab	76.69, 0.62, -14.63
CIELCh	77, 14.646, 272.409
Yxy	51.0149, 0.2833, 0.2966
Android (android.graphics.Color)	4289773272 (0xFFB0BED8)
YUV	188.7780, 13.4204, -11.2063
Hunter-Lab	71.4247, -3.2539, -9.9738

Details

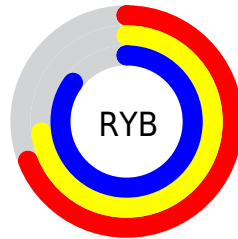
The XYZ color **48.7126, 51.0149, 72.2452** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2763, 59.9745, 49.6328**, and the grayscale version is **48.1768, 50.6858, 55.1968**.

A 20% lighter version of the original color is **84.2845, 90.2873, 107.5927**, and **23.5471, 24.6755, 37.2400** is the 20% darker color. If you saturate the color by 10%, you get **41.3164, 42.9046, 71.0704**, and if you desaturate by 10%, it is **57.1819, 60.1159, 73.5563**.

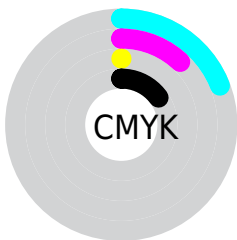
Distribution



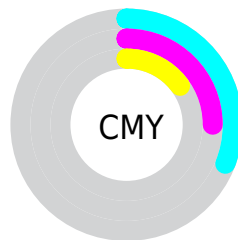
- Red (69%)
- Green (75%)
- Blue (85%)



- Red (69%)
- Yellow (73%)
- Blue (85%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7126, 51.0149, 72.2452 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 48.7126, 51.0149, 72.2452 by changing the saturation by 10% instead.

■ 48.7126, 51.0149,
72.2452

■ 48.7126, 51.0149,
72.2452

372.1455,
390.6217, 487.3951

■ 34.6051, 36.2205,
52.8709

■ 87.4677, 91.6768,
124.1160

■ 23.5240, 24.6045,
37.3127

112.8461,
118.3131, 157.4497

■ 15.1037, 15.7827,
25.1520

142.7122,
149.6654, 196.2736

■ 8.9790, 9.3705,
15.9703

177.4314,
186.1181, 241.0062

■ 4.7845, 4.9836,
9.3490

217.3689,
228.0558, 292.0661

■ 2.1548, 2.2377,
4.8696

262.8902,

■ 0.7188, 0.7404,

275.8626, 349.8719

2.1136

314.3607,
329.9231, 414.8420

■ 0.0000, 0.0000,
0.6238

■ 0.0000, 0.0000,
0.0000

■ 48.7126, 51.0149,
72.2452

■ 48.7126, 51.0149,
72.2452

■ 41.3164, 42.9046,
71.0704

■ 57.1819, 60.1159,
73.5563

■ 34.9438, 35.7432,
70.0240

■ 66.7618, 70.2346,
75.0045

■ 29.5481, 29.4952,
69.1024

■ 77.4936, 81.4051,
76.5950

■ 25.0769, 24.1201,
68.3006

■ 86.6391, 92.2264,
78.2017

■ 21.4725, 19.5743,
67.6131

■ 89.3948, 97.7379,
79.1203

■ 18.6702, 15.8092,
67.0340

■ 16.5949, 12.7701,
66.5568

■ 15.1376, 10.3840,
66.1731

■ 14.9527, 10.0737,
66.1229

Harmonies

Analogous

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



46.0600, 51.0149, 70.2112



48.7126, 51.0149, 72.2452



51.4027, 51.0149, 69.4635

Triad

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



48.7126, 51.0149, 72.2452



53.1310, 51.0149, 47.7568



43.9138, 51.0149, 48.7690

Complementary

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



48.7126, 51.0149, 72.2452



57.2763, 59.9745, 49.6328

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.



45.6859, 51.0149, 43.6249



48.7126, 51.0149, 72.2452



51.0002, 51.0149, 43.0808

Square

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



48.7126, 51.0149, 72.2452



54.0136, 51.0149, 54.9072



48.2644, 51.0149, 41.6423



43.3530, 51.0149, 56.1909

Rectangle

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



48.7126, 51.0149, 72.2452



52.8376, 51.0149, 65.3936



48.2644, 51.0149, 41.6423



44.3842, 51.0149, 46.7412

Sweetspot

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



48.7141, 51.0170, 72.2463



86.5527, 91.0315, 107.6168



53.0432, 62.5755, 64.7477



18.3357, 19.2826, 23.0055



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.



48.7141, 51.0170, 72.2463



66.7879, 69.7709, 104.5548



47.0553, 45.8737, 71.3410



12.0946, 12.7127, 15.7539



8.9422, 6.1462, 39.1682



0.6158, 0.5236, 2.3879

Inverse Universe

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



53.1397, 49.3685, 55.4459



74.3659, 67.1510, 75.7416



59.1618, 66.0469, 50.7055



12.6010, 12.4919, 13.8390



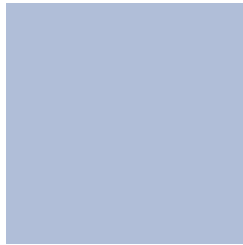
17.5725, 8.9653, 5.0527



1.0985, 0.5562, 0.5080

Previews

White Background



This preview shows how the XYZ color 48.7126, 51.0149, 72.2452 looks on a white background.

Color Contrast Check

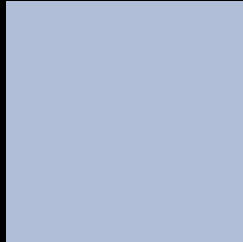
Large Text (above 18pt) WCAG AA × Fail

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 48.7126, 51.0149, 72.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

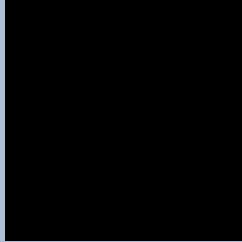
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7126, 51.0149, 72.2452

Background



This preview shows how black text looks on a background with the XYZ color 48.7126, 51.0149, 72.2452.



This preview shows how white text looks on a background with the XYZ color 48.7126, 51.0149,

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

48.7126, 51.0149, 72.2452

Protanopia

50.1284, 51.1358, 70.8465

Deuteranopia

51.9130, 50.7601, 72.7072



Tritanopia

47.5677, 51.2029, 66.4076

Trichromacy



Original Color

48.7126, 51.0149, 72.2452

Protanomaly

49.7547, 51.2466, 71.5592

Deuteranomaly

50.5768, 50.6924, 72.7646

Tritanomaly

47.9429, 51.0287, 68.2954

Monochromacy



Original Color

48.7126, 51.0149, 72.2452

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.2736, 50.7091, 61.2764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7126, 51.0149, 72.2452 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(176, 190, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 216)  
}
```

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(176, 190, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.7126, 51.0149, 72.2452 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(176, 190, 216) }
```


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

```
.border{ border-color:rgb(176, 190, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 190, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 190, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 190,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7126, 51.0149, 72.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 216) }
```

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

```
.background{ background-color: rgb(176,  
190, 216) }
```

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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