

Converting Colors

XYZ(48.2965, 49.8456, 72.0414)

Have a look what the booklet for
XYZ(48.2965, 49.8456, 72.0414)
contains.

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Color

**XYZ(48.2965, 49.8456,
72.0414)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BBD8
RGB	177, 187, 216
RGB Percent	69%, 73%, 85%
CMY	0.3059, 0.2667, 0.1529
CMYK	0.18, 0.13, 0.00, 0.15
HSL	225°, 33%, 77%
HSV	225°, 18%, 85%
XYZ	48.2965, 49.8456, 72.0414
YIQ	187.3160, -15.2690, 6.8990

Conversions

Conversions Part 2

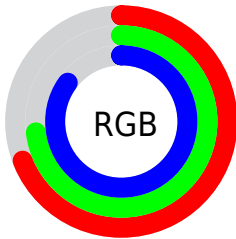
Format	Color
R_{YB}	177, 185, 216
Decimal	11647960
CIE _{Lab}	75.97, 2.55, -15.70
CIE _{LCh}	76, 15.905, 279.222
Yxy	49.8456, 0.2838, 0.2929
Android (android.graphics.Color)	4289838040 (0xFFB1BBD8)
YUV	187.3160, 14.1412, -9.0471
Hunter-Lab	70.6014, -1.4455, -11.0783

Details

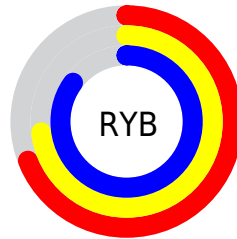
The XYZ color **48.2965, 49.8456, 72.0414** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.3266, 61.9161, 50.4732**, and the grayscale version is **47.3425, 49.8080, 54.2409**.

A 20% lighter version of the original color is **83.7049, 88.6448, 107.3062**, and **23.2703, 23.9085, 37.1065** is the 20% darker color. If you saturate the color by 10%, you get **40.5420, 41.0708, 70.7572**, and if you desaturate by 10%, it is **57.2139, 59.7882, 73.4913**.

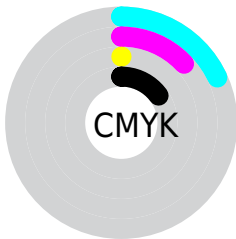
Distribution



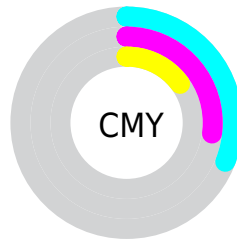
- Red (69%)
- Green (73%)
- Blue (85%)



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



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2965, 49.8456, 72.0414 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 48.2965, 49.8456, 72.0414 by changing the saturation by 10% instead.

■ 48.2965, 49.8456,
72.0414

■ 48.2965, 49.8456,
72.0414

370.5292,
386.0618, 486.6671

■ 34.2740, 35.2907,
52.7055

■ 86.8527, 89.9461,
123.8237

■ 23.2680, 23.8869,
37.1816

112.1171,
116.2605, 157.1070

■ 14.9133, 15.2498,
25.0512

141.8596,
147.2635, 195.8767

■ 8.8445, 8.9949,
15.8958

176.4453,
183.3395, 240.5511

■ 4.6962, 4.7378,
9.2969

216.2399,
224.8730, 291.5487

■ 2.1030, 2.0943,
4.8359

261.6084,

■ 0.6909, 0.6614,

272.2483, 349.2883

2.0943

312.9164,
325.8497, 414.1882

■ 0.0000, 0.0000,
0.6123

■ 0.0000, 0.0000,
0.0000

■ 48.2965, 49.8456,
72.0414

■ 48.2965, 49.8456,
72.0414

■ 40.5420, 41.0708,
70.7572

■ 57.2139, 59.7882,
73.4913

■ 33.8967, 33.4136,
69.6295

■ 67.3357, 70.9337,
75.1091

■ 28.3095, 26.8296,
68.6531

■ 78.7068, 83.3235,
76.9013

■ 23.7234, 21.2686,
67.8214

■ 88.2091, 95.3665,
78.7250

■ 20.0757, 16.6762,
67.1273

■ 89.3948, 97.7379,
79.1202

■ 17.2961, 12.9926,
66.5628

■ 15.3034, 10.1502,
66.1191

■ 13.9867, 8.0637,
65.7858

■ 13.7798, 7.7279,
65.7319

Harmonies

Analogous

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



45.3826, 49.8456, 71.0185



48.2965, 49.8456, 72.0414



51.0747, 49.8456, 67.9331

Triad

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



48.2965, 49.8456, 72.0414



51.9329, 49.8456, 44.5881



42.2429, 49.8456, 48.6839

Complementary

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



48.2965, 49.8456, 72.0414



58.3266, 61.9161, 50.4732

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.



43.8618, 49.8456, 42.5797



48.2965, 49.8456, 72.0414



49.4285, 49.8456, 40.3919

Square

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



48.2965, 49.8456, 72.0414



53.2310, 49.8456, 51.6980



46.4687, 49.8456, 39.6971



41.9682, 49.8456, 56.9329

Rectangle

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



48.2965, 49.8456, 72.0414



52.4466, 49.8456, 63.0661



46.4687, 49.8456, 39.6971



42.6446, 49.8456, 46.3384

Sweetspot

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



48.2980, 49.8476, 72.0425



87.5637, 91.7613, 107.7043



53.7804, 62.8966, 67.4448



18.5248, 19.4006, 23.0183



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.



48.2980, 49.8476, 72.0425



65.4432, 67.0815, 104.1065



48.3920, 46.8551, 71.4600



11.9989, 12.5212, 15.7219



8.2302, 4.7222, 38.9308



0.5635, 0.4190, 2.3705

Inverse Universe

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



53.0120, 49.6324, 53.8019



73.6871, 66.8795, 72.1673



58.1968, 65.5380, 51.1791



12.5526, 12.4726, 13.5845



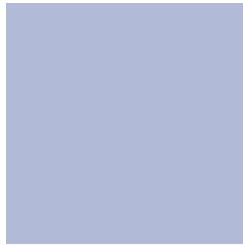
17.2131, 8.8216, 3.1602



1.0721, 0.5456, 0.3690

Previews

White Background



This preview shows how the XYZ color 48.2965, 49.8456, 72.0414 looks on a white background.

Color Contrast Check

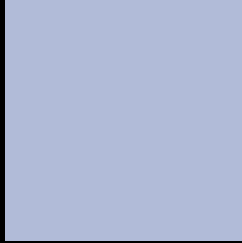
Large Text (above 18pt) WCAG AA × Fail

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 48.2965, 49.8456, 72.0414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

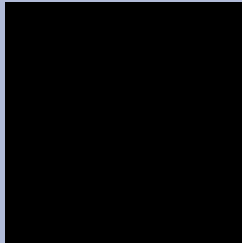
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2965, 49.8456, 72.0414

Background



This preview shows how black text looks on a background with the XYZ color 48.2965, 49.8456, 72.0414.



This preview shows how white text looks on a background with the XYZ color 48.2965, 49.8456,

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

48.2965, 49.8456, 72.0414

Protanopia

49.1161, 49.9692, 71.3463

Deuteranopia

50.9437, 49.9531, 72.6025



Tritanopia

46.7759, 49.8688, 64.2870

Trichromacy



Original Color

48.2965, 49.8456, 72.0414

Protanomaly

48.6470, 49.7274, 71.3244

Deuteranomaly

49.9146, 49.7298, 72.6137

Tritanomaly

47.2729, 49.7506, 66.7858

Monochromacy



Original Color

48.2965, 49.8456, 72.0414

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.4918, 49.6851, 60.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2965, 49.8456, 72.0414 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, 187, 216)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 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(177, 187, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.2965, 49.8456, 72.0414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

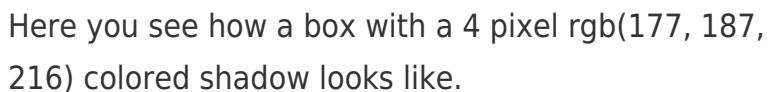
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 187, 216) }
```


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

```
.border{ border-color:rgb(177, 187, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 187, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 187, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 187, 216); box-shadow:4px 4px 4px 4px rgb(177, 187, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2965, 49.8456, 72.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 216) }
```

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

```
.background{ background-color: rgb(177,  
187, 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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