

Converting Colors

XYZ(46.4966, 47.8258, 67.7385)

Have a look what the booklet for
XYZ(46.4966, 47.8258, 67.7385)
contains.

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Color

**XYZ(46.4708, 47.7502,
67.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B7D2
RGB	176, 183, 210
RGB Percent	69%, 72%, 82%
CMY	0.3098, 0.2823, 0.1765
CMYK	0.16, 0.13, 0.00, 0.18
HSL	228°, 27%, 76%
HSV	228°, 16%, 82%
XYZ	46.4708, 47.7502, 67.7402
YIQ	183.9850, -12.8390, 6.9130

Conversions

Conversions Part 2

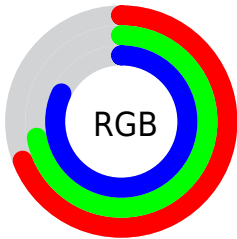
Format	Color
R _Y B	176, 182, 210
Decimal	11581394
CIE Lab	74.67, 3.09, -14.41
CIE LCh	75, 14.741, 282.106
Yxy	47.7502, 0.2869, 0.2948
Android (android.graphics.Color)	4289771474 (0xFFB0B7D2)
YUV	183.9850, 12.8254, -7.0028
Hunter-Lab	69.1015, -0.8863, -9.7509

Details

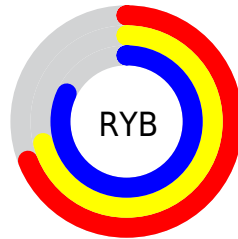
The XYZ color **46.4708, 47.7502, 67.7402** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.7710, 59.5479, 49.6297**, and the grayscale version is **45.4893, 47.8583, 52.1177**.

A 20% lighter version of the original color is **82.1952, 86.1088, 106.8963**, and **22.1518, 22.5765, 34.6427** is the 20% darker color. If you saturate the color by 10%, you get **38.8470, 39.0141, 66.4565**, and if you desaturate by 10%, it is **55.2395, 57.6839, 69.1962**.

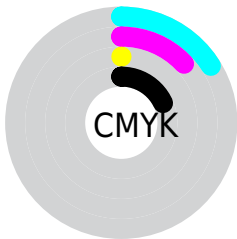
Distribution



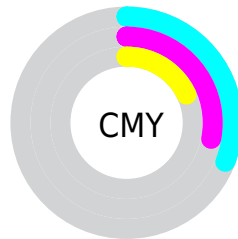
- Red (69%)
- Green (72%)
- Blue (82%)



- Red (69%)
- Yellow (71%)
- Blue (82%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4708, 47.7502, 67.7402 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 46.4708, 47.7502, 67.7402 by changing the saturation by 10% instead.

■ 46.4708, 47.7502,
67.7402

■ 46.4708, 47.7502,
67.7402

363.3825,
377.8011, 471.1480

■ 32.8237, 33.6291,
49.2210

■ 84.1467, 86.8324,
117.6311

■ 22.1500, 22.6088,
34.4280

108.9062,
112.5622, 149.8399

■ 14.0844, 14.3049,
22.9426

138.1006,
142.9305, 187.4490

■ 8.2615, 8.3331,
14.3462

172.0951,
178.3215, 230.8770

■ 4.3159, 4.3088,
8.2204

211.2553,
219.1196, 280.5423

■ 1.8824, 1.8478,
4.1465

255.9463,

■ 0.5666, 0.5167,

265.7094, 336.8636

1.7060

306.5336,
318.4751, 400.2593

■ 0.0000, 0.0000,
0.3649

■ 0.0000, 0.0000,
0.0000

■ 46.4708, 47.7502,
67.7402

■ 46.4708, 47.7502,
67.7402

■ 38.8470, 39.0141,
66.4565

■ 55.2395, 57.6839,
69.1962

■ 32.3160, 31.4240,
65.3357

■ 65.1938, 68.8524,
70.8273

■ 26.8279, 24.9332,
64.3721

■ 76.3776, 81.2988,
72.6402

■ 22.3272, 19.4895,
63.5586

■ 86.9669, 94.1010,
74.5532

■ 18.7532, 15.0361,
62.8874

■ 88.6330, 97.4332,
75.1086

■ 16.0381, 11.5107,
62.3500

■ 14.1042, 8.8434,
61.9371

■ 12.8569, 6.9522,
61.6378

■ 12.5060, 6.3992,
61.5496

Harmonies

Analogous

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



43.8254, 47.7502, 67.2827



46.4708, 47.7502, 67.7402



48.9166, 47.7502, 63.6855

Triad

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



46.4708, 47.7502, 67.7402



49.3031, 47.7502, 42.7400



40.6711, 47.7502, 47.6023

Complementary

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



46.4708, 47.7502, 67.7402



55.7710, 59.5479, 49.6297

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.



42.0279, 47.7502, 41.8251



46.4708, 47.7502, 67.7402



46.9815, 47.7502, 39.2132

Square

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



46.4708, 47.7502, 67.7402



50.5942, 47.7502, 48.9677



44.3165, 47.7502, 38.8956



40.5464, 47.7502, 55.1381

Rectangle

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



46.4708, 47.7502, 67.7402



50.0773, 47.7502, 59.1811



44.3165, 47.7502, 38.8956



40.9956, 47.7502, 45.4098

Sweetspot

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



46.4723, 47.7522, 67.7413



87.3687, 91.3712, 107.6393



51.6878, 59.6185, 65.0552



18.4776, 19.3061, 23.0025



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.



46.4723, 47.7522, 67.7413



68.3480, 69.8035, 104.4788



47.3198, 46.0981, 67.3773



11.3581, 11.8065, 14.9239



7.6870, 4.0206, 37.5634



0.4880, 0.3411, 2.1197

Inverse Universe

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



50.6520, 48.1723, 51.4305



75.9070, 70.6531, 74.9611



54.8014, 61.5585, 50.0689



11.9069, 11.8475, 12.7856



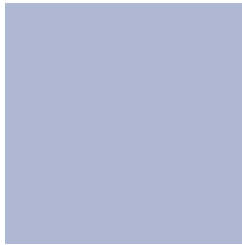
16.5108, 8.4771, 2.3299



0.9525, 0.4857, 0.2848

Previews

White Background



This preview shows how the XYZ color 46.4708, 47.7502, 67.7402 looks on a white background.

Color Contrast Check

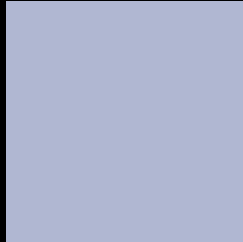
Large Text (above 18pt) WCAG AA × Fail

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 46.4708, 47.7502, 67.7402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

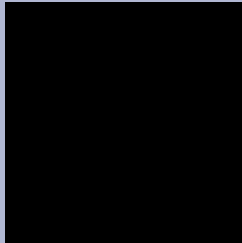
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4708, 47.7502, 67.7402

Background



This preview shows how black text looks on a background with the XYZ color 46.4708, 47.7502, 67.7402.

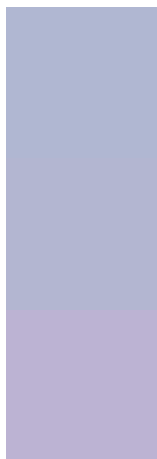


This preview shows how white text looks on a background with the XYZ color 46.4708, 47.7502,

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

46.4708, 47.7502, 67.7402

Protanopia

46.8270, 47.6431, 67.0496

Deuteranopia

48.6170, 47.6347, 68.2600



Tritanopia

45.1133, 47.8201, 60.8853

Trichromacy



Original Color

46.4708, 47.7502, 67.7402

Protanomaly

46.5967, 47.5243, 67.0388

Deuteranomaly

47.8463, 47.5360, 68.2816

Tritanomaly

45.5992, 47.7067, 63.3049

Monochromacy



Original Color

46.4708, 47.7502, 67.7402

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.8222, 47.9550, 57.2932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4708, 47.7502, 67.7402 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, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 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(176, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.4708, 47.7502, 67.7402 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, 183, 210) }
```


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

```
.border{ border-color:rgb(176, 183, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 183, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 183, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 183, 210);  
box-shadow:4px 4px 4px 4px rgb(176, 183,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4708, 47.7502, 67.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 210) }
```

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

```
.background{ background-color: rgb(176,  
183, 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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