

Converting Colors

XYZ(20.3693, 16.5848, 48.6670)

Have a look what the booklet for
XYZ(20.3693, 16.5848, 48.6670)
contains.

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Color

**XYZ(20.2964, 16.4927,
48.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	7066BA
RGB	112, 102, 186
RGB Percent	44%, 40%, 73%
CMY	0.5608, 0.6000, 0.2706
CMYK	0.40, 0.45, 0.00, 0.27
HSL	247°, 38%, 56%
HSV	247°, 45%, 73%
XYZ	20.2964, 16.4927, 48.5680
YIQ	114.5660, -21.0040, 28.2440

Conversions

Conversions Part 2

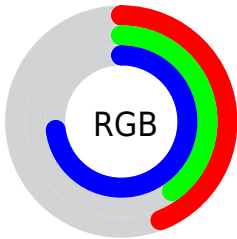
Format	Color
R _Y B	112, 102, 186
Decimal	7366330
CIE Lab	47.61, 24.66, -43.13
CIE LCh	48, 49.683, 299.755
Yxy	16.4927, 0.2378, 0.1932
Android (android.graphics.Color)	4285556410 (0xFF7066BA)
YUV	114.5660, 35.2170, -2.2504
Hunter-Lab	40.6112, 18.1399, -42.4786

Details

The XYZ color **20.2964, 16.4927, 48.5680** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.8617, 45.3074, 19.3206**, and the grayscale version is **16.0667, 16.9035, 18.4079**.

A 20% lighter version of the original color is **43.5052, 37.4690, 89.7333**, and **7.2760, 5.2979, 22.4689** is the 20% darker color. If you saturate the color by 10%, you get **16.7708, 12.2595, 47.9371**, and if you desaturate by 10%, it is **24.6128, 21.7428, 49.3542**.

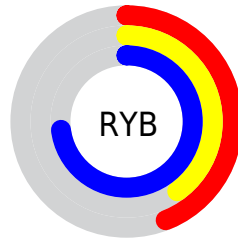
Distribution



Red (44%)

Green (40%)

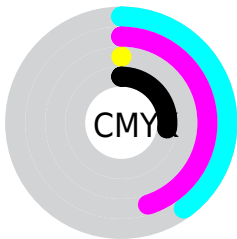
Blue (73%)



Red (44%)

Yellow (40%)

Blue (73%)

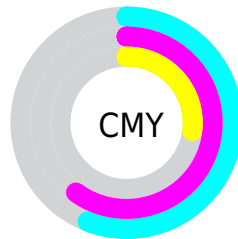


Cyan (40%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (56%)

Magenta (60%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2964, 16.4927, 48.5680 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 20.2964, 16.4927, 48.5680 by changing the saturation by 10% instead.

■ 20.2964, 16.4927,
48.5680

■ 20.2964, 16.4927,
48.5680

246.3183,
232.2317, 397.6126

■ 12.7202, 9.8735,
33.9137

■ 43.4137, 37.4515,
89.4238

■ 7.3118, 5.3151,
22.5505

■ 59.6856, 52.5598,
116.4625

■ 3.7059, 2.4333,
14.0598

■ 79.5866, 71.2666,
148.4663

■ 1.5371, 0.8430,
8.0230

■ 103.4823, 93.9563,
185.8539

■ 0.3509, 0.0000,
4.0217

131.7380,
121.0133, 229.0438

■ 0.0000, 0.0000,
1.6373

164.7190,

■ 0.0000, 0.0000,

152.8219, 278.4545

0.3172

202.7906,
189.7666, 334.5046

■ 0.0000, 0.0000,
0.0000

■ 20.2964, 16.4927,
48.5680

■ 20.2964, 16.4927,
48.5680

■ 16.7708, 12.2595,
47.9371

■ 24.6128, 21.7428,
49.3542

■ 13.9857, 8.9753,
47.4499

■ 29.7622, 28.0683,
50.3037

■ 11.8880, 6.5667,
47.0956

■ 35.7863, 35.5251,
51.4255

■ 10.4165, 4.9486,
46.8608

■ 42.7232, 44.1651,
52.7276

■ 9.4983, 4.0178,
46.7295

■ 50.6089, 54.0366,
54.2174

■ 9.1971, 3.7174,
46.6874

■ 59.4774, 65.1853,
55.9019

■ 69.3611, 77.6548,
57.7878

■ 80.2906, 91.4863,
59.8815

■ 85.8630, 96.3252,
60.5218

Harmonies

Analogous

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



15.6394, 16.4927, 55.0847



20.2964, 16.4927, 48.5680



24.2493, 16.4927, 33.2680

Triad

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



20.2964, 16.4927, 48.5680



20.3716, 16.4927, 4.0496



8.6055, 16.4927, 17.8535

Complementary

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



20.2964, 16.4927, 48.5680



37.8617, 45.3074, 19.3206

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.



9.4068, 16.4927, 8.2569



20.2964, 16.4927, 48.5680



15.7123, 16.4927, 2.9394

Square

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



20.2964, 16.4927, 48.5680



24.2982, 16.4927, 8.3652



11.8158, 16.4927, 4.0110



9.3808, 16.4927, 32.9958

Rectangle

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



20.2964, 16.4927, 48.5680



25.6450, 16.4927, 22.6574



11.8158, 16.4927, 4.0110



8.6969, 16.4927, 13.9575

Sweetspot

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



20.2971, 16.4933, 48.5684



65.9613, 65.7537, 93.4166



29.9074, 37.4995, 52.1165



13.9661, 13.7850, 20.4673



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.2971, 16.4933, 48.5684



30.5506, 22.4027, 86.9154



26.9031, 19.8989, 48.8776



8.6178, 8.7693, 11.3179



6.2220, 2.5188, 31.4113



0.2520, 0.1056, 1.1089

Inverse Universe

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



32.8378, 23.0769, 43.7975



56.2561, 35.9137, 76.4049



29.8210, 41.1623, 18.9443



9.3336, 9.1438, 11.1044



18.1409, 8.8301, 24.4263



0.6526, 0.3165, 0.9301

Previews

White Background



This preview shows how the XYZ color 20.2964, 16.4927, 48.5680 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 20.2964, 16.4927, 48.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

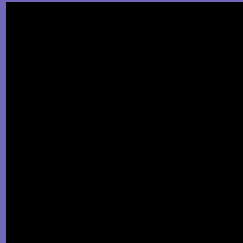
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2964, 16.4927, 48.5680

Background



This preview shows how black text looks on a background with the XYZ color 20.2964, 16.4927, 48.5680.



This preview shows how white text looks on a background with the XYZ color 20.2964, 16.4927,

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

20.2964, 16.4927, 48.5680

Protanopia

18.2940, 16.5834, 53.2757

Deuteranopia

16.9782, 16.5312, 47.0957



Tritanopia

14.8768, 16.5128, 21.8052

Trichromacy



Original Color

20.2964, 16.4927, 48.5680

Protanomaly

18.7815, 16.4008, 51.4660

Deuteranomaly

17.8667, 16.3293, 47.5576

Tritanomaly

16.4304, 16.3002, 29.8840

Monochromacy



Original Color

20.2964, 16.4927, 48.5680

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3231, 16.6524, 27.5005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2964, 16.4927, 48.5680 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(112, 102, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 102, 186)  
}
```

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(112, 102, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 102, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.2964, 16.4927, 48.5680 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(112, 102, 186) }
```


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

```
.border{ border-color:rgb(112, 102, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 102, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 102, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 102, 186); box-shadow:4px 4px 4px 4px rgb(112, 102, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2964, 16.4927, 48.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 102, 186) }
```

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

```
.background{ background-color: rgb(112,  
102, 186) }
```

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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