

Converting Colors

XYZ(18.7245, 18.8464, 29.8449)

Have a look what the booklet for
XYZ(18.7245, 18.8464, 29.8449)
contains.

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Color

**XYZ(18.7246, 18.8464,
29.8450)**

Conversions

Conversions Part 1

Format	Color
Hex	727792
RGB	114, 119, 146
RGB Percent	45%, 47%, 57%
CMY	0.5529, 0.5333, 0.4274
CMYK	0.22, 0.18, 0.00, 0.43
HSL	231°, 13%, 51%
HSV	231°, 22%, 57%
XYZ	18.7246, 18.8464, 29.8450
YIQ	120.5830, -11.6470, 7.3370

Conversions

Conversions Part 2

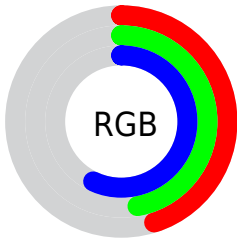
Format	Color
R _Y B	114, 118, 146
Decimal	7501714
CIE Lab	50.51, 4.27, -15.25
CIE LCh	51, 15.836, 285.628
Yxy	18.8464, 0.2777, 0.2796
Android (android.graphics.Color)	4285691794 (0xFF727792)
YUV	120.5830, 12.5306, -5.7733
Hunter-Lab	43.4124, 1.0186, -10.3717

Details

The XYZ color **18.7246, 18.8464, 29.8450** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.4165, 26.3758, 19.7243**, and the grayscale version is **18.0037, 18.9413, 20.6271**.

A 20% lighter version of the original color is **40.7141, 41.4029, 60.4893**, and **6.4988, 6.4565, 11.7302** is the 20% darker color. If you saturate the color by 10%, you get **15.6028, 15.2004, 29.3061**, and if you desaturate by 10%, it is **22.3408, 23.0303, 30.4623**.

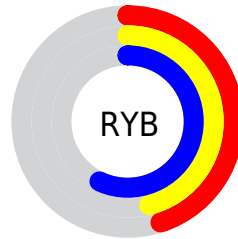
Distribution



Red (45%)

Green (47%)

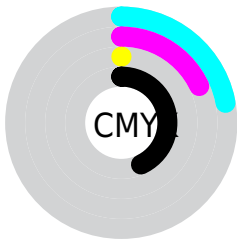
Blue (57%)



Red (45%)

Yellow (46%)

Blue (57%)

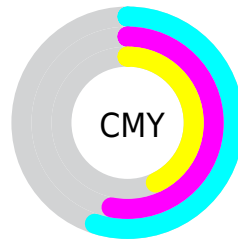


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7246, 18.8464, 29.8450 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 18.7246, 18.8464, 29.8450 by changing the saturation by 10% instead.

■ 18.7246, 18.8464,
29.8450

■ 18.7246, 18.8464,
29.8450

237.8916,
245.5995, 315.3661

■ 11.5743, 11.5593,
19.4699

■ 40.7887, 41.4744,
60.4751

■ 6.5246, 6.4444,
11.8301

■ 56.4332, 57.5841,
81.5671

■ 3.2103, 3.1171,
6.5069

■ 75.6398, 77.4035,
107.0686

■ 1.2659, 1.1932,
3.0820

■ 98.7738, 101.3170,
137.3981

■ 0.1575, 0.0561,
1.1366

126.2006,
129.7089, 172.9740

■ 0.0000, 0.0000,
0.0000

158.2856,

162.9637, 214.2149

195.3942,
201.4658, 261.5394

■ 18.7246, 18.8464,
29.8450

■ 18.7246, 18.8464,
29.8450

■ 15.6028, 15.2004,
29.3061

■ 22.3408, 23.0303,
30.4623

■ 12.9520, 12.0680,
28.8412

■ 26.4698, 27.7705,
31.1596

■ 10.7496, 9.4267,
28.4475

■ 31.1314, 33.0872,
31.9401

■ 8.9703, 7.2512,
28.1213

■ 36.3437, 38.9990,
32.8065

■ 7.5864, 5.5138,
27.8589

■ 42.1240, 45.5236,
33.7612

■ 6.5666, 4.1841,
27.6560

■ 48.4888, 52.6780,
34.8067

■ 5.8748, 3.2273,
27.5078

■ 55.4539, 60.4786,
35.9453

■ 5.4911, 2.6809,
27.4225

■ 63.0345, 68.9411,
37.1792

■ 71.2454, 78.0807,
38.5105

Harmonies

Analogous

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



17.1862, 18.8464, 29.9070



18.7246, 18.8464, 29.8450



20.1198, 18.8464, 27.0585

Triad

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



18.7246, 18.8464, 29.8450



20.0701, 18.8464, 15.0236



15.1884, 18.8464, 18.4818

Complementary

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



18.7246, 18.8464, 29.8450



24.4165, 26.3758, 19.7243

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.



15.8737, 18.8464, 15.1309



18.7246, 18.8464, 29.8450



18.6599, 18.8464, 13.3376

Square

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



18.7246, 18.8464, 29.8450



20.9265, 18.8464, 18.3144



17.1251, 18.8464, 13.3738



15.2035, 18.8464, 22.8971

Rectangle

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



18.7246, 18.8464, 29.8450



20.7553, 18.8464, 24.2325



17.1251, 18.8464, 13.3738



15.3427, 18.8464, 17.2084

Sweetspot

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



18.7252, 18.8472, 29.8454



42.7744, 44.4961, 54.3077



22.0017, 26.0488, 28.9382



9.4364, 9.8076, 12.0679



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.7252, 18.8472, 29.8454



30.3883, 30.1677, 52.1949



19.6150, 18.4454, 29.7210



5.5684, 5.7707, 7.2901



4.8436, 2.3819, 24.1355



0.0732, 0.0570, 0.3000

Inverse Universe

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



21.2017, 19.4781, 20.0958



35.5276, 31.5472, 31.9463



23.3620, 26.9517, 19.8910



5.8356, 5.8293, 6.2403



10.5719, 5.4338, 1.2266



0.1364, 0.0693, 0.0520

Previews

White Background



This preview shows how the XYZ color 18.7246, 18.8464, 29.8450 looks on a white background.

Color Contrast Check

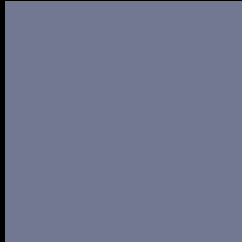
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.7246, 18.8464, 29.8450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

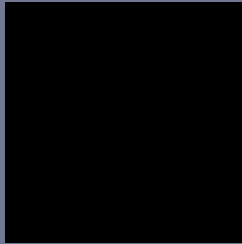
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7246, 18.8464, 29.8450

Background



This preview shows how black text looks on a background with the XYZ color 18.7246, 18.8464, 29.8450.



This preview shows how white text looks on a background with the XYZ color 18.7246, 18.8464,

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

18.7246, 18.8464, 29.8450

Protanopia

18.7246, 18.8464, 29.8450

Deuteranopia

19.2745, 18.9541, 29.8368



Tritanopia

17.6118, 18.9373, 24.1997

Trichromacy



Original Color

18.7246, 18.8464, 29.8450

Protanomaly

18.7246, 18.8464, 29.8450

Deuteranomaly

19.0029, 18.8141, 29.8241

Tritanomaly

17.9634, 18.8971, 25.9933

Monochromacy



Original Color

18.7246, 18.8464, 29.8450

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2169, 18.8962, 23.8063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7246, 18.8464, 29.8450 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(114, 119, 146)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 146)  
}
```

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(114, 119, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 146) }
```

Border

The CSS property to change the border of an element to XYZ 18.7246, 18.8464, 29.8450 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(114, 119, 146) }
```


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

```
.border{ border-color:rgb(114, 119, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 146);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7246, 18.8464, 29.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 146) }
```

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

```
.background{ background-color: rgb(114,  
119, 146) }
```

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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