

Converting Colors

XYZ(18.3649, 16.9192, 32.4350)

Have a look what the booklet for
XYZ(18.3649, 16.9192, 32.4350)
contains.

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Color

**XYZ(18.4209, 16.9502,
32.4378)**

Conversions

Conversions Part 1

Format	Color
Hex	746D99
RGB	116, 109, 153
RGB Percent	45%, 43%, 60%
CMY	0.5451, 0.5725, 0.4000
CMYK	0.24, 0.29, 0.00, 0.40
HSL	250°, 18%, 51%
HSV	250°, 29%, 60%
XYZ	18.4209, 16.9502, 32.4378
YIQ	116.1090, -9.9520, 15.1680

Conversions

Conversions Part 2

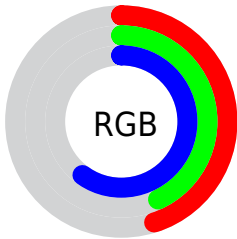
Format	Color
R_{YB}	116, 109, 153
Decimal	7630233
CIE _{Lab}	48.20, 12.64, -22.89
CIE _{LCh}	48, 26.149, 298.908
Yxy	16.9502, 0.2717, 0.2500
Android (android.graphics.Color)	4285820313 (0xFF746D99)
YUV	116.1090, 18.1873, -0.0956
Hunter-Lab	41.1706, 7.8174, -17.8944

Details

The XYZ color **18.4209, 16.9502, 32.4378** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.0060, 29.9979, 18.8882**, and the grayscale version is **16.5825, 17.4461, 18.9988**.

A 20% lighter version of the original color is **40.1955, 38.0816, 64.2634**, and **6.4356, 5.5978, 13.3117** is the 20% darker color. If you saturate the color by 10%, you get **15.3353, 13.1441, 31.8661**, and if you desaturate by 10%, it is **22.0287, 21.4480, 33.1161**.

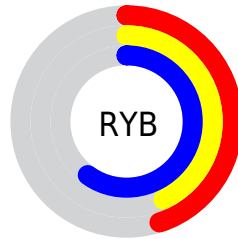
Distribution



Red (45%)

Green (43%)

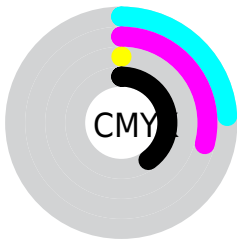
Blue (60%)



Red (45%)

Yellow (43%)

Blue (60%)

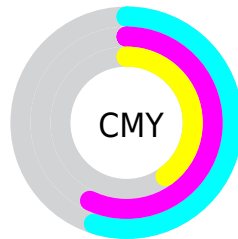


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (57%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4209, 16.9502, 32.4378 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 18.4209, 16.9502, 32.4378 by changing the saturation by 10% instead.

■ 18.4209, 16.9502,
32.4378

■ 18.4209, 16.9502,
32.4378

236.2328,
234.8852, 327.6627

■ 11.3541, 10.1990,
21.4285

■ 40.2777, 38.2401,
64.6027

■ 6.3746, 5.5311,
13.2433

■ 55.7985, 53.5476,
86.5953

■ 3.1170, 2.5621,
7.4636

■ 74.8679, 72.4760,
113.0862

■ 1.2159, 0.9077,
3.6709

■ 97.8514, 95.4097,
144.4938

■ 0.1189, 0.0000,
1.4466

125.1142,
122.7331, 181.2368

■ 0.0000, 0.0000,
0.1777

157.0219,

■ 0.0000, 0.0000,

154.8305, 223.7335

0.0000

193.9396,
192.0865, 272.4027

■ 18.4209, 16.9502,
32.4378

■ 18.4209, 16.9502,
32.4378

■ 15.3353, 13.1441,
31.8661

■ 22.0287, 21.4480,
33.1161

■ 12.7457, 9.9933,
31.3944

■ 26.1797, 26.6674,
33.9048

■ 10.6263, 7.4609,
31.0173

■ 30.8959, 32.6393,
34.8089

■ 8.9482, 5.5058,
30.7284

■ 36.1976, 39.3918,
35.8328

■ 7.6793, 4.0816,
30.5203

■ 42.1039, 46.9518,
36.9807

■ 6.7828, 3.1347,
30.3848

■ 48.6333, 55.3448,
38.2566

■ 6.1949, 2.5600,
30.3049

■ 55.8034, 64.5953,
39.6643

■ 6.1347, 2.4983,
30.2961

■ 63.6310, 74.7268,
41.2073

■ 72.1323, 85.7616,
42.8891

Harmonies

Analogous

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



16.0238, 16.9502, 34.8662



18.4209, 16.9502, 32.4378



20.3469, 16.9502, 26.0684

Triad

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



18.4209, 16.9502, 32.4378



18.5863, 16.9502, 9.3679



11.9620, 16.9502, 18.2077

Complementary

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



18.4209, 16.9502, 32.4378



26.0060, 29.9979, 18.8882

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.



12.5075, 16.9502, 12.4916



18.4209, 16.9502, 32.4378



16.1979, 16.9502, 8.2237

Square

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



18.4209, 16.9502, 32.4378



20.4487, 16.9502, 12.8274



14.0021, 16.9502, 9.2102



12.4341, 16.9502, 25.5286

Rectangle

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



18.4209, 16.9502, 32.4378



21.0211, 16.9502, 21.0885



14.0021, 16.9502, 9.2102



12.0315, 16.9502, 16.0520

Sweetspot

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



18.4215, 16.9509, 32.4382



46.5514, 47.3377, 60.6555



22.3976, 26.2329, 34.0202



10.0464, 10.1593, 13.3489



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.4215, 16.9509, 32.4382



29.0610, 25.5014, 57.3625



21.6341, 18.6070, 32.5885



5.9715, 6.0712, 7.7861



5.0899, 2.0750, 25.0399



0.0964, 0.0415, 0.3753

Inverse Universe

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



23.7943, 19.7855, 29.7594



40.4727, 31.5274, 51.4303



22.5222, 28.2019, 18.7252



6.4190, 6.3068, 7.5865



14.1237, 6.9037, 17.7082



0.2211, 0.1072, 0.3173

Previews

White Background



This preview shows how the XYZ color 18.4209, 16.9502, 32.4378 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 18.4209, 16.9502, 32.4378 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 18.4209, 16.9502, 32.4378

Background



This preview shows how black text looks on a background with the XYZ color 18.4209, 16.9502, 32.4378.



This preview shows how white text looks on a background with the XYZ color 18.4209, 16.9502,

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

18.4209, 16.9502, 32.4378

Protanopia

17.3854, 17.0353, 33.8243

Deuteranopia

17.3983, 17.0805, 32.0856



Tritanopia

16.1992, 17.0317, 21.5024

Trichromacy



Original Color

18.4209, 16.9502, 32.4378

Protanomaly

17.7740, 17.0807, 33.3705

Deuteranomaly

17.7683, 17.1065, 32.0712

Tritanomaly

16.9604, 17.0043, 25.3099

Monochromacy



Original Color

18.4209, 16.9502, 32.4378

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0700, 17.1082, 23.1714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4209, 16.9502, 32.4378 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(116, 109, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 153)  
}
```

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(116, 109, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.4209, 16.9502, 32.4378 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(116, 109, 153) }
```


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

```
.border{ border-color:rgb(116, 109, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 109, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 109, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 109, 153);  
box-shadow:4px 4px 4px 4px rgb(116, 109,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4209, 16.9502, 32.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 153) }
```

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

```
.background{ background-color: rgb(116,  
109, 153) }
```

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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