

Converting Colors

XYZ(16.8684, 16.2218, 31.7435)

Have a look what the booklet for
XYZ(16.8684, 16.2218, 31.7435)
contains.

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Color

**XYZ(16.8451, 16.1473,
31.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	686D98
RGB	104, 109, 152
RGB Percent	41%, 43%, 60%
CMY	0.5921, 0.5725, 0.4039
CMYK	0.32, 0.28, 0.00, 0.40
HSL	234°, 19%, 50%
HSV	234°, 32%, 60%
XYZ	16.8451, 16.1473, 31.9347
YIQ	112.4070, -16.7830, 12.3130

Conversions

Conversions Part 2

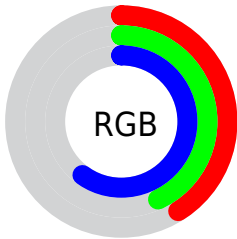
Format	Color
R_{YB}	104, 109, 152
Decimal	6843800
CIE _{Lab}	47.17, 8.58, -23.97
CIE _{LCh}	47, 25.463, 289.698
Yxy	16.1473, 0.2594, 0.2487
Android (android.graphics.Color)	4285033880 (0xFF686D98)
YUV	112.4070, 19.5193, -7.3729
Hunter-Lab	40.1837, 4.5061, -18.9902

Details

The XYZ color **16.8451, 16.1473, 31.9347** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8818, 28.5430, 17.2427**, and the grayscale version is **15.4690, 16.2746, 17.7231**.

A 20% lighter version of the original color is **37.4217, 36.6658, 63.4974**, and **5.6471, 5.1971, 13.0174** is the 20% darker color. If you saturate the color by 10%, you get **13.8954, 12.6351, 31.4125**, and if you desaturate by 10%, it is **20.3390, 20.2749, 32.5475**.

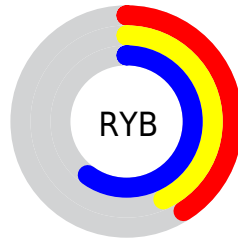
Distribution



Red (41%)

Green (43%)

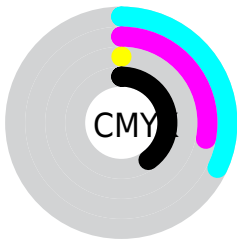
Blue (60%)



Red (41%)

Yellow (43%)

Blue (60%)

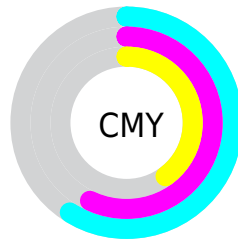


Cyan (32%)

Magenta (28%)

Yellow (0%)

Black (40%)



Cyan (59%)

Magenta (57%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8451, 16.1473, 31.9347 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 16.8451, 16.1473, 31.9347 by changing the saturation by 10% instead.

■ 16.8451, 16.1473,
31.9347

■ 16.8451, 16.1473,
31.9347

227.4518,
230.2093, 325.3052

■ 10.2187, 9.6284,
21.0472

■ 37.6050, 36.8537,
63.8054

■ 5.6076, 5.1533,
12.9669

■ 52.4692, 51.8101,
85.6257

■ 2.6464, 2.3375,
7.2753

■ 70.8101, 70.3478,
111.9274

■ 0.9696, 0.7934,
3.5538

■ 92.9930, 92.8511,
143.1290

■ 0.0000, 0.0000,
1.3839

119.3832,
119.7046, 179.6491

■ 0.0000, 0.0000,
0.1291

150.3462,

■ 0.0000, 0.0000,

151.2925, 221.9061

0.0000

186.2473,
187.9993, 270.3186

■ 16.8451, 16.1473,
31.9347

■ 16.8451, 16.1473,
31.9347

■ 13.8954, 12.6351,
31.4125

■ 20.3390, 20.2749,
32.5475

■ 11.4609, 9.7068,
30.9756

■ 24.4008, 25.0434,
33.2539

■ 9.5122, 7.3312,
30.6198

■ 29.0552, 30.4792,
34.0578

■ 8.0165, 5.4733,
30.3400

■ 34.3244, 36.6068,
34.9628

■ 6.9366, 4.0941,
30.1307

■ 40.2300, 43.4492,
35.9723

■ 6.2295, 3.1488,
29.9855

■ 46.7920, 51.0287,
37.0894

■ 5.8504, 2.6326,
29.9059

■ 54.0300, 59.3663,
38.3172

■ 61.9626, 68.4822,
39.6587

■ 70.6075, 78.3960,
41.1166

Harmonies

Analogous

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



14.5903, 16.1473, 32.7194



16.8451, 16.1473, 31.9347



18.8711, 16.1473, 26.8249

Triad

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



16.8451, 16.1473, 31.9347



18.3045, 16.1473, 9.7542



11.4889, 16.1473, 15.4673

Complementary

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



16.8451, 16.1473, 31.9347



25.8818, 28.5430, 17.2427

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.



12.2923, 16.1473, 10.7508



16.8451, 16.1473, 31.9347



16.1305, 16.1473, 8.0257

Square

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



16.8451, 16.1473, 31.9347



19.7688, 16.1473, 13.7441



13.9414, 16.1473, 8.3397



11.6401, 16.1473, 22.0744

Rectangle

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



16.8451, 16.1473, 31.9347



19.7504, 16.1473, 22.2168



13.9414, 16.1473, 8.3397



11.6530, 16.1473, 13.6407

Sweetspot

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



16.8456, 16.1479, 31.9351



44.9461, 46.3994, 59.0207



22.1572, 27.4878, 31.4958



9.9734, 10.2626, 13.3727



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.



16.8456, 16.1479, 31.9351



25.9099, 23.9546, 55.6918



18.7012, 16.3352, 31.8734



5.9337, 6.1248, 7.7984



4.9174, 2.2315, 25.0792



0.0855, 0.0572, 0.3789

Inverse Universe

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



20.6600, 17.6808, 16.7924



33.7797, 27.2358, 24.4230



23.4953, 28.4919, 17.3586



6.2337, 6.2326, 6.6105



10.9408, 5.6306, 0.9476



0.1696, 0.0866, 0.0459

Previews

White Background



This preview shows how the XYZ color 16.8451, 16.1473, 31.9347 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 16.8451, 16.1473, 31.9347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

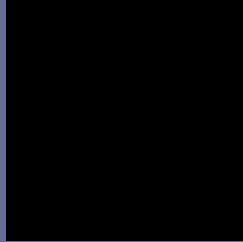
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8451, 16.1473, 31.9347

Background



This preview shows how black text looks on a background with the XYZ color 16.8451, 16.1473, 31.9347.



This preview shows how white text looks on a background with the XYZ color 16.8451, 16.1473,

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

16.8451, 16.1473, 31.9347

Protanopia

16.4713, 16.1044, 32.3773

Deuteranopia

16.4990, 16.1282, 31.9492



Tritanopia

14.6924, 16.0865, 21.3994

Trichromacy



Original Color

16.8451, 16.1473, 31.9347

Protanomaly

16.6925, 16.2185, 32.3877

Deuteranomaly

16.6103, 16.1856, 31.9544

Tritanomaly

15.3528, 16.0189, 24.8370

Monochromacy



Original Color

16.8451, 16.1473, 31.9347

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8219, 16.1524, 22.3625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8451, 16.1473, 31.9347 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(104, 109, 152)` looks like.

```
.text, #text, p{  
    color:rgb(104, 109, 152)  
}
```

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(104, 109, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 109, 152) }
```

Border

The CSS property to change the border of an element to XYZ 16.8451, 16.1473, 31.9347 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(104, 109, 152) }
```


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

```
.border{ border-color:rgb(104, 109, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 109, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 109, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 109, 152);  
box-shadow:4px 4px 4px 4px rgb(104, 109,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8451, 16.1473, 31.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 109, 152) }
```

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

```
.background{ background-color: rgb(104,  
109, 152) }
```

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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