

Converting Colors

XYZ(18.8766, 18.4206, 32.1078)

Have a look what the booklet for
XYZ(18.8766, 18.4206, 32.1078)
contains.

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Color

**XYZ(18.8523, 18.3352,
32.2512)**

Conversions

Conversions Part 1

Format	Color
Hex	727498
RGB	114, 116, 152
RGB Percent	45%, 45%, 60%
CMY	0.5529, 0.5451, 0.4039
CMYK	0.25, 0.24, 0.00, 0.40
HSL	237°, 16%, 52%
HSV	237°, 25%, 60%
XYZ	18.8523, 18.3352, 32.2512
YIQ	119.5060, -12.7480, 10.7720

Conversions

Conversions Part 2

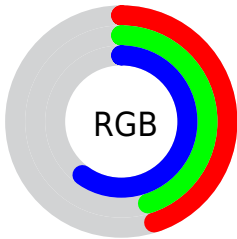
Format	Color
RYB	114, 116, 152
Decimal	7500952
CIELab	49.90, 7.54, -19.70
CIELCh	50, 21.092, 290.950
Yxy	18.3352, 0.2715, 0.2640
Android (android.graphics.Color)	4285691032 (0xFF727498)
YUV	119.5060, 16.0195, -4.8288
Hunter-Lab	42.8196, 3.6543, -14.6827

Details

The XYZ color **18.8523, 18.3352, 32.2512** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.8927, 29.7030, 20.2359**, and the grayscale version is **17.6491, 18.5683, 20.2208**.

A 20% lighter version of the original color is **41.0796, 40.6770, 64.0788**, and **6.5961, 6.1976, 13.1605** is the 20% darker color. If you saturate the color by 10%, you get **15.5039, 14.3334, 31.6556**, and if you desaturate by 10%, it is **22.7877, 23.0225, 32.9488**.

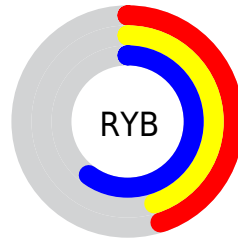
Distribution



Red (45%)

Green (45%)

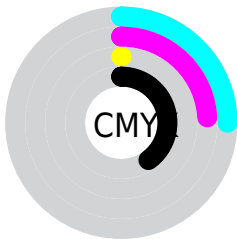
Blue (60%)



Red (45%)

Yellow (45%)

Blue (60%)

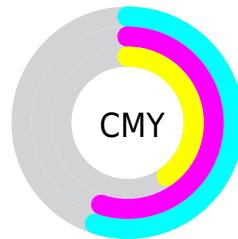


Cyan (25%)

Magenta (24%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (55%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8523, 18.3352, 32.2512 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 18.8523, 18.3352, 32.2512 by changing the saturation by 10% instead.

■ 18.8523, 18.3352,
32.2512

■ 18.8523, 18.3352,
32.2512

238.5860,
242.7537, 326.7899

■ 11.6670, 11.1909,
21.2870

■ 41.0032, 40.6077,
64.3072

■ 6.5879, 6.1954,
13.1407

■ 56.6994, 56.5046,
86.2360

■ 3.2498, 2.9643,
7.3936

■ 75.9634, 76.0880,
112.6569

■ 1.2872, 1.1131,
3.6273

■ 99.1604, 99.7420,
143.9883

■ 0.1736, 0.0000,
1.4232

126.6558,
127.8513, 180.6487

■ 0.0000, 0.0000,
0.1597

158.8149,

■ 0.0000, 0.0000,

160.8000, 223.0568

0.0000

196.0032,
198.9727, 271.6310

■ 18.8523, 18.3352,
32.2512

■ 18.8523, 18.3352,
32.2512

■ 15.5039, 14.3334,
31.6556

■ 22.7877, 23.0225,
32.9488

■ 12.7128, 10.9829,
31.1560

■ 27.3346, 28.4229,
33.7516

■ 10.4492, 8.2498,
30.7477

■ 32.5181, 34.5653,
34.6640

■ 8.6799, 6.0964,
30.4253

■ 38.3614, 41.4763,
35.6899

■ 7.3678, 4.4808,
30.1826

■ 44.8866, 49.1812,
36.8332

■ 6.4707, 3.3555,
30.0127

■ 52.1148, 57.7041,
38.0974

■ 5.9364, 2.6635,
29.9073

■ 60.0660, 67.0682,
39.4857

■ 5.7544, 2.4408,
29.8739

■ 68.7595, 77.2955,
41.0016

■ 78.2140, 88.4076,
42.6481

Harmonies

Analogous

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



16.8235, 18.3352, 33.0795



18.8523, 18.3352, 32.2512



20.6191, 18.3352, 27.8195

Triad

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



18.8523, 18.3352, 32.2512



19.9890, 18.3352, 12.5146



13.8675, 18.3352, 18.2656

Complementary

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



18.8523, 18.3352, 32.2512



26.8927, 29.7030, 20.2359

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.



14.5827, 18.3352, 13.7467



18.8523, 18.3352, 32.2512



18.0449, 18.3352, 10.8740

Square

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



18.8523, 18.3352, 32.2512



21.3098, 18.3352, 16.2466



16.0755, 18.3352, 11.2768



14.0472, 18.3352, 24.2089

Rectangle

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



18.8523, 18.3352, 32.2512



21.3602, 18.3352, 23.8171



16.0755, 18.3352, 11.2768



14.0091, 18.3352, 16.5504

Sweetspot

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



18.8529, 18.3359, 32.2516



46.4399, 48.0234, 59.2555



23.6302, 28.2191, 32.8312



10.4566, 10.7980, 13.4506



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.



18.8529, 18.3359, 32.2516



29.8515, 28.2740, 56.3177



20.9629, 19.0849, 32.2850



5.9093, 6.0759, 7.7903



4.8322, 2.0612, 25.0509



0.0783, 0.0430, 0.3765

Inverse Universe

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



22.1191, 19.9715, 19.2129



36.6392, 31.7105, 29.2126



24.3436, 28.8670, 20.2089



6.2213, 6.2277, 6.5456



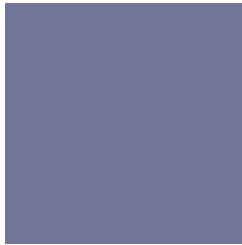
10.8979, 5.6134, 0.7212



0.1660, 0.0851, 0.0270

Previews

White Background



This preview shows how the XYZ color 18.8523, 18.3352, 32.2512 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 18.8523, 18.3352, 32.2512 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 18.8523, 18.3352, 32.2512

Background



This preview shows how black text looks on a background with the XYZ color 18.8523, 18.3352, 32.2512.



This preview shows how white text looks on a background with the XYZ color 18.8523, 18.3352,

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

18.8523, 18.3352, 32.2512

Protanopia

18.4177, 18.2737, 32.6934

Deuteranopia

18.7229, 18.2685, 32.2451



Tritanopia

17.1761, 18.3596, 23.7576

Trichromacy



Original Color

18.8523, 18.3352, 32.2512

Protanomaly

18.6666, 18.4020, 32.7051

Deuteranomaly

18.7229, 18.2685, 32.2451

Tritanomaly

17.7398, 18.4081, 26.6629

Monochromacy



Original Color

18.8523, 18.3352, 32.2512

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2329, 18.7111, 24.4804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8523, 18.3352, 32.2512 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, 116, 152)` looks like.

```
.text, #text, p{  
    color:rgb(114, 116, 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(114, 116, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.8523, 18.3352, 32.2512 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, 116, 152) }
```


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

```
.border{ border-color:rgb(114, 116, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 116, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 152);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8523, 18.3352, 32.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 152) }
```

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

```
.background{ background-color: rgb(114,  
116, 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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