

Converting Colors

XYZ(16.4158, 16.1887, 19.9939)

Have a look what the booklet for
XYZ(16.4158, 16.1887, 19.9939)
contains.

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Color

**XYZ(16.4666, 16.2153,
20.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	776D78
RGB	119, 109, 120
RGB Percent	47%, 43%, 47%
CMY	0.5333, 0.5725, 0.5294
CMYK	0.01, 0.09, 0.00, 0.53
HSL	295°, 5%, 45%
HSV	295°, 9%, 47%
XYZ	16.4666, 16.2153, 20.0313
YIQ	113.2440, 2.4290, 5.5410

Conversions

Conversions Part 2

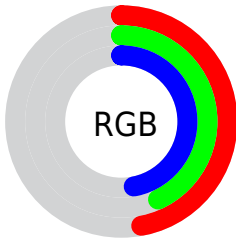
Format	Color
R_{YB}	119, 109, 120
Decimal	7826808
CIE _{Lab}	47.26, 6.08, -4.69
CIE _{LCh}	47, 7.678, 322.377
Yxy	16.2153, 0.3124, 0.3076
Android (android.graphics.Color)	4286016888 (0xFF776D78)
YUV	113.2440, 3.3307, 5.0480
Hunter-Lab	40.2682, 2.5233, -1.3059

Details

The XYZ color **16.4666, 16.2153, 20.0313** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9078, 17.8525, 17.0763**, and the grayscale version is **15.7588, 16.5795, 18.0551**.

A 20% lighter version of the original color is **36.8118, 36.7781, 44.1884**, and **5.4909, 5.2527, 6.8554** is the 20% darker color. If you saturate the color by 10%, you get **15.1242, 13.7513, 19.6267**, and if you desaturate by 10%, it is **17.9864, 19.0312, 20.4950**.

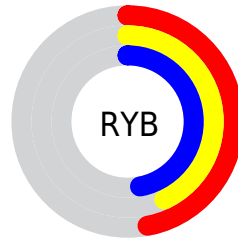
Distribution



Red (47%)

Green (43%)

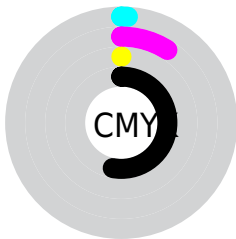
Blue (47%)



Red (47%)

Yellow (43%)

Blue (47%)

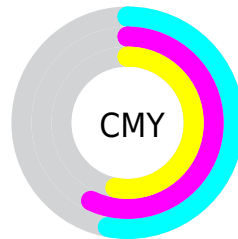


Cyan (1%)

Magenta (9%)

Yellow (0%)

Black (53%)



Cyan (53%)

Magenta (57%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4666, 16.2153, 20.0313 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 16.4666, 16.2153, 20.0313 by changing the saturation by 10% instead.

■ 16.4666, 16.2153,
20.0313

■ 16.4666, 16.2153,
20.0313

225.2962,
230.6088, 264.6944

■ 9.9479, 9.6766,
12.2335

■ 36.9573, 36.9716,
44.3293

■ 5.4264, 5.1851,
6.7784

■ 51.6600, 51.9580,
61.6666

■ 2.5369, 2.3563,
3.2476

■ 69.8214, 70.5291,
83.0208

■ 0.9139, 0.8033,
1.2224

■ 91.8068, 93.0693,
108.8105

■ 0.0000, 0.0000,
0.0000

117.9817,
119.9629, 139.4541

148.7113,

151.5945, 175.3703

184.3610,
188.3483, 216.9775

■ 16.4666, 16.2153,
20.0313

■ 16.4666, 16.2153,
20.0313

■ 15.1242, 13.7513,
19.6267

■ 17.9864, 19.0312,
20.4950

■ 13.9509, 11.6229,
19.2777

■ 19.6889, 22.2101,
21.0188

■ 12.9394, 9.8160,
18.9823

■ 21.5809, 25.7654,
21.6053

■ 12.0819, 8.3142,
18.7376

■ 23.6683, 29.7090,
22.2565

■ 11.3694, 7.1001,
18.5408

■ 25.9568, 34.0523,
22.9742

10.7922, 6.1542,
18.3886

28.4521, 38.8063,
23.7604

10.3396, 5.4548,
18.2775

31.1592, 43.9817,
24.6166

9.9989, 4.9767,
18.2032

34.0834, 49.5885,
25.5447

9.7305, 4.6408,
18.1525

37.2296, 55.6365,
26.5463

Harmonies

Analogous

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



15.9132, 16.2153, 21.3332



16.4666, 16.2153, 20.0313



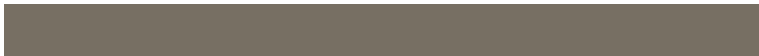
16.7390, 16.2153, 18.1550

Triad

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



16.4666, 16.2153, 20.0313



15.5855, 16.2153, 14.2116



14.2392, 16.2153, 19.1137

Complementary

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



16.4666, 16.2153, 20.0313



15.9078, 17.8525, 17.0763

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.



14.1573, 16.2153, 17.1657



16.4666, 16.2153, 20.0313



14.9218, 16.2153, 14.4272

Square

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



16.4666, 16.2153, 20.0313



16.2207, 16.2153, 14.8638



14.4037, 16.2153, 15.4758



14.6309, 16.2153, 20.7769

Rectangle

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



16.4666, 16.2153, 20.0313



16.7192, 16.2153, 16.8684



14.4037, 16.2153, 15.4758



14.1750, 16.2153, 18.4671

Sweetspot

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



16.4671, 16.2160, 20.0317



30.5523, 31.4618, 35.7155



15.2843, 15.7815, 20.0101



7.1946, 7.3708, 8.4502



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.4671, 16.2160, 20.0317



28.4398, 27.5579, 35.0733



16.3440, 16.1827, 18.6639



4.1203, 4.0599, 5.0097



10.5851, 5.0296, 19.7982



50.1164, 23.7980, 94.4218

Inverse Universe

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



16.0294, 16.0569, 17.0070



27.5083, 27.2197, 28.6130



16.0269, 17.8859, 18.3493



4.0117, 4.0204, 4.2595



8.5126, 4.3812, 0.7245



40.4622, 20.8412, 2.6979

Previews

White Background



This preview shows how the XYZ color 16.4666, 16.2153, 20.0313 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 16.4666, 16.2153, 20.0313 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 16.4666, 16.2153, 20.0313

Background



This preview shows how black text looks on a background with the XYZ color 16.4666, 16.2153, 20.0313.

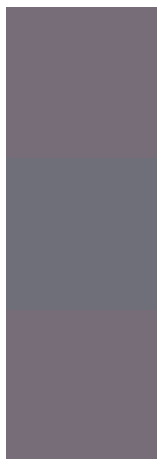


This preview shows how white text looks on a background with the XYZ color 16.4666, 16.2153,

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

16.4666, 16.2153, 20.0313

Protanopia

15.6912, 16.1289, 20.3753

Deuteranopia

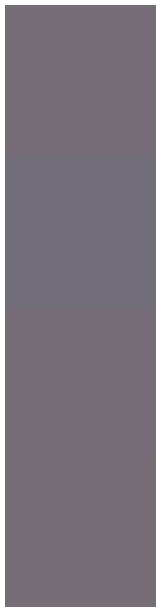
16.4666, 16.2153, 20.0313



Tritanopia

16.3464, 16.1672, 19.3986

Trichromacy



Original Color

16.4666, 16.2153, 20.0313

Protanomaly

15.9666, 16.1097, 20.3571

Deuteranomaly

16.4666, 16.2153, 20.0313

Tritanomaly

16.4062, 16.1911, 19.7133

Monochromacy



Original Color

16.4666, 16.2153, 20.0313

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0168, 16.4941, 18.8625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4666, 16.2153, 20.0313 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(119, 109, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 109, 120)  
}
```

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(119, 109, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 109, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4666, 16.2153, 20.0313 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(119, 109, 120) }
```


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

```
.border{ border-color:rgb(119, 109, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 109, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 109, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 109, 120); box-shadow:4px 4px 4px 4px rgb(119, 109, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4666, 16.2153, 20.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 109, 120) }
```

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

```
.background{ background-color: rgb(119,  
109, 120) }
```

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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