

Converting Colors

XYZ(16.3238, 18.0249, 19.2338)

Have a look what the booklet for
XYZ(16.3238, 18.0249, 19.2338)
contains.

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Color

**XYZ(16.2993, 18.0089,
19.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7874
RGB	110, 120, 116
RGB Percent	43%, 47%, 45%
CMY	0.5686, 0.5294, 0.5451
CMYK	0.08, 0.00, 0.03, 0.53
HSL	156°, 4%, 45%
HSV	156°, 8%, 47%
XYZ	16.2993, 18.0089, 19.1400
YIQ	116.5540, -4.6760, -3.3640

Conversions

Conversions Part 2

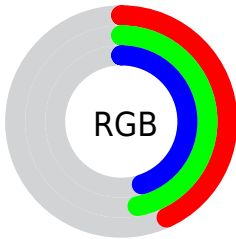
Format	Color
R_{YB}	110, 116, 120
Decimal	7239796
CIE Lab	49.51, -4.57, 0.91
CIE LCh	50, 4.658, 168.773
Yxy	18.0089, 0.3050, 0.3369
Android (android.graphics.Color)	4285429876 (0xFF6E7874)
YUV	116.5540, -0.2731, -5.7479
Hunter-Lab	42.4369, -5.7057, 2.9647

Details

The XYZ color **16.2993, 18.0089, 19.1400** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3596, 16.3604, 18.2161**, and the grayscale version is **16.7730, 17.6465, 19.2170**.

A 20% lighter version of the original color is **36.7207, 40.0136, 42.8338**, and **5.3474, 6.0762, 6.3598** is the 20% darker color. If you saturate the color by 10%, you get **14.6341, 17.1824, 17.6418**, and if you desaturate by 10%, it is **18.1822, 18.9469, 20.7246**.

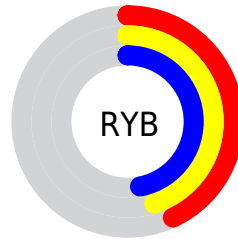
Distribution



Red (43%)

Green (47%)

Blue (45%)



Red (43%)

Yellow (45%)

Blue (47%)

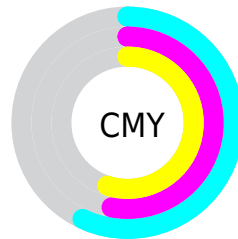


Cyan (8%)

Magenta (0%)

Yellow (3%)

Black (53%)



Cyan (57%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2993, 18.0089, 19.1400 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 16.2993, 18.0089, 19.1400 by changing the saturation by 10% instead.

■ 16.2993, 18.0089,
19.1400

■ 16.2993, 18.0089,
19.1400

224.3372,
240.9212, 259.6690

■ 9.8284, 10.9564,
11.5936

■ 36.6703, 40.0525,
42.8104

■ 5.3467, 6.0375,
6.3485

■ 51.3011, 55.8123,
59.7715

■ 2.4889, 2.8679,
2.9859

■ 69.3825, 75.2434,
80.7079

■ 0.8897, 1.0632,
1.0874

■ 91.2800, 98.7302,
106.0382

■ 0.0000, 0.0000,
0.0000

117.3589,
126.6569, 136.1809

147.9844,

159.4081, 171.5546

183.5221,
197.3680, 212.5778

■ 16.2993, 18.0089,
19.1400

■ 16.2993, 18.0089,
19.1400

■ 14.6341, 17.1824,
17.6418

■ 18.1822, 18.9469,
20.7246

■ 13.1769, 16.4610,
16.2271

■ 20.2890, 19.9983,
22.3957

■ 11.9192, 15.8408,
14.8950

■ 22.6278, 21.1674,
24.1553

■ 10.8515, 15.3170,
13.6436

■ 25.2056, 22.4581,
26.0047

■ 9.9636, 14.8843,
12.4714

■ 28.0292, 23.8737,
27.9452

■ 9.2442, 14.5369,
11.3765

■ 31.1051, 25.4175,
29.9782

■ 8.6807, 14.2684,
10.3571

■ 34.4396, 27.0929,
32.1050

■ 8.2583, 14.0711,
9.4113

■ 38.0386, 28.9028,
34.3268

■ 7.9373, 13.9247,
8.5356

■ 41.9081, 30.8503,
36.6449

Harmonies

Analogous

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



16.4876, 18.0089, 18.0526



16.2993, 18.0089, 19.1400



16.3272, 18.0089, 20.3999

Triad

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



16.2993, 18.0089, 19.1400



17.3910, 18.0089, 21.9968



17.6814, 18.0089, 17.8398

Complementary

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



16.2993, 18.0089, 19.1400



16.3596, 16.3604, 18.2161

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.



17.9317, 18.0089, 18.8381



16.2993, 18.0089, 19.1400



17.7620, 18.0089, 21.2516

Square

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



16.2993, 18.0089, 19.1400



16.9525, 18.0089, 22.0861



17.9614, 18.0089, 20.0848



17.2824, 18.0089, 17.3237

Rectangle

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



16.2993, 18.0089, 19.1400



16.4649, 18.0089, 21.1677



17.9614, 18.0089, 20.0848



17.7860, 18.0089, 18.1281

Sweetspot

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



16.2998, 18.0097, 19.1404



30.3603, 32.5169, 35.1098



16.4927, 18.1481, 17.3859



7.1386, 7.6781, 8.2731



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.



16.2998, 18.0097, 19.1404



28.0784, 31.3816, 33.1478



16.4379, 17.9052, 20.3599



4.0424, 4.4866, 4.7569



8.5957, 15.1619, 9.1219



40.5735, 72.1524, 41.2535

Inverse Universe

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



16.3596, 16.3604, 18.2161



28.2061, 27.8600, 31.1744



16.2271, 16.4519, 17.0725



4.0586, 4.0392, 4.5061



9.0258, 4.5865, 3.4267



42.6576, 21.7194, 14.2589

Previews

White Background



This preview shows how the XYZ color 16.2993, 18.0089, 19.1400 looks on a white background.

Color Contrast Check

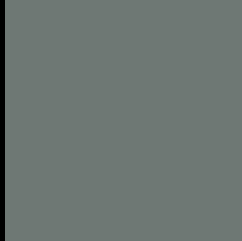
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2993, 18.0089, 19.1400 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

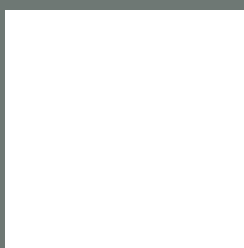
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2993, 18.0089, 19.1400

Background



This preview shows how black text looks on a background with the XYZ color 16.2993, 18.0089, 19.1400.



This preview shows how white text looks on a background with the XYZ color 16.2993, 18.0089,

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

16.2993, 18.0089, 19.1400

Protanopia

17.1443, 17.9306, 18.4769

Deuteranopia

18.2815, 17.9861, 19.3378



Tritanopia

17.0568, 17.9601, 22.9897

Trichromacy



Original Color

16.2993, 18.0089, 19.1400

Protanomaly

16.7754, 17.9077, 18.7920

Deuteranomaly

17.4823, 17.9127, 19.3657

Tritanomaly

16.7905, 18.0284, 21.6637

Monochromacy



Original Color

16.2993, 18.0089, 19.1400

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6287, 17.8186, 19.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2993, 18.0089, 19.1400 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(110, 120, 116)` looks like.

```
.text, #text, p{  
    color:rgb(110, 120, 116)  
}
```

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(110, 120, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 120, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.2993, 18.0089, 19.1400 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(110, 120, 116) }
```


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

```
.border{ border-color:rgb(110, 120, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 120, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 120, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 120, 116);  
box-shadow:4px 4px 4px 4px rgb(110, 120,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2993, 18.0089, 19.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 120, 116) }
```

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

```
.background{ background-color: rgb(110,  
120, 116) }
```

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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