

Converting Colors

XYZ(16.3771, 19.7875, 3.7646)

Have a look what the booklet for
XYZ(16.3771, 19.7875, 3.7646)
contains.

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Color

**XYZ(16.4780, 19.9358,
3.7901)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8017
RGB	126, 128, 23
RGB Percent	49%, 50%, 9%
CMY	0.5059, 0.4980, 0.9098
CMYK	0.02, 0.00, 0.82, 0.50
HSL	61°, 70%, 30%
HSV	61°, 82%, 50%
XYZ	16.4780, 19.9358, 3.7901
YIQ	115.4320, 32.5130, -33.0790

Conversions

Conversions Part 2

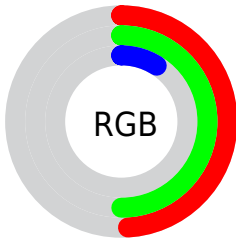
Format	Color
R_{YB}	23, 128, 25
Decimal	8290327
CIE Lab	51.76, -13.29, 51.53
CIE LCh	52, 53.219, 104.460
Yxy	19.9358, 0.4099, 0.4959
Android (android.graphics.Color)	4286480407 (0xFF7E8017)
YUV	115.4320, -45.5690, 9.2681
Hunter-Lab	44.6495, -12.2609, 26.2218

Details

The XYZ color **16.4780, 19.9358, 3.7901** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.6041, 2.3784, 20.6397**, and the grayscale version is **16.5551, 17.4172, 18.9673**.

A 20% lighter version of the original color is **37.1548, 43.5287, 13.4648**, and **5.6200, 7.0478, 1.0642** is the 20% darker color. If you saturate the color by 10%, you get **16.3437, 19.8787, 3.2686**, and if you desaturate by 10%, it is **16.6753, 20.0196, 4.6388**.

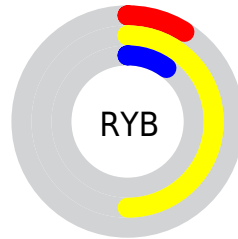
Distribution



Red (49%)

Green (50%)

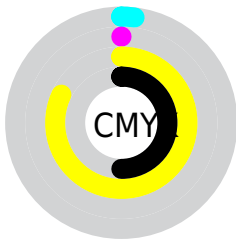
Blue (9%)



Red (9%)

Yellow (50%)

Blue (10%)

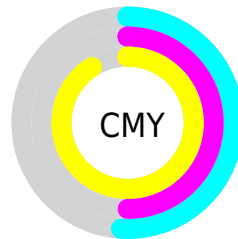


Cyan (2%)

Magenta (0%)

Yellow (82%)

Black (50%)



Cyan (51%)

Magenta (50%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4780, 19.9358, 3.7901 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 16.4780, 19.9358, 3.7901 by changing the saturation by 10% instead.

■ 16.4780, 19.9358,
3.7901

■ 16.4780, 19.9358,
3.7901

■ 225.3614,
251.5674, 145.8630

■ 9.9560, 12.3484,
1.5109

■ 36.9769, 43.3095,
13.5227

■ 5.4318, 6.9814,
0.2260

■ 51.6844, 59.8646,
21.8132

■ 2.5401, 3.4505,
0.0000

■ 69.8512, 80.1777,
32.9445

■ 0.9155, 1.3712,
0.0000

■ 91.8427, 104.6333,
47.3353

■ 0.0000, 0.1953,
0.0000

■ 118.0240,
133.6156, 65.4040

■ 0.0000, 0.0000,
0.0000

■ 148.7607,

167.5091, 87.5691

184.4180,
206.6982, 114.2493

16.4780, 19.9358,
3.7901

16.4780, 19.9358,
3.7901

16.3437, 19.8787,
3.2686

16.6753, 20.0196,
4.6388

16.2592, 19.8415,
2.9729

16.9421, 20.1305,
5.8549

17.2855, 20.2721,
7.4742

17.7115, 20.4467,
9.5281

18.2255, 20.6565,
12.0447

■ 18.8324, 20.9035,
15.0497

■ 19.5366, 21.1894,
18.5673

■ 20.3425, 21.5160,
22.6195

■ 21.2541, 21.8848,
27.2276

Harmonies

Analogous

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



21.8609, 19.9358, 3.8355



16.4780, 19.9358, 3.7901



12.5804, 19.9358, 6.6725

Triad

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



16.4780, 19.9358, 3.7901



12.4756, 19.9358, 49.8160



30.7812, 19.9358, 30.6629

Complementary

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



16.4780, 19.9358, 3.7901



4.6041, 2.3784, 20.6397

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.



27.1679, 19.9358, 50.5071



16.4780, 19.9358, 3.7901



16.3068, 19.9358, 64.6613

Square

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



16.4780, 19.9358, 3.7901



10.5846, 19.9358, 29.9880



21.6541, 19.9358, 64.9613



30.8511, 19.9358, 15.1104

Rectangle

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



16.4780, 19.9358, 3.7901



11.0553, 19.9358, 11.2651



21.6541, 19.9358, 64.9613



29.9142, 19.9358, 37.1714

Sweetspot

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



16.4785, 19.9367, 3.7905



32.7573, 36.6397, 24.5182



9.3997, 5.3362, 1.3454



7.5955, 8.5483, 5.3744



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4785, 19.9367, 3.7905



28.6417, 34.9385, 5.3294



10.6795, 16.9472, 3.5191



4.6575, 5.0154, 4.6427



16.1213, 19.6732, 2.9476



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6041, 2.3784, 20.6397



6.9763, 2.8574, 36.1401



7.2841, 3.7599, 20.7651



4.1158, 4.2153, 5.4100



3.8939, 1.5611, 20.3460



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4780, 19.9358, 3.7901 looks on a white 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

Black Background



This preview shows how the XYZ color 16.4780, 19.9358, 3.7901 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 16.4780, 19.9358, 3.7901

Background



This preview shows how black text looks on a background with the XYZ color 16.4780, 19.9358, 3.7901.



This preview shows how white text looks on a background with the XYZ color 16.4780, 19.9358,

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

16.4780, 19.9358, 3.7901

Protanopia

17.9999, 19.9622, 3.6634

Deuteranopia

20.1006, 19.7799, 3.9209



Tritanopia

20.3246, 19.8205, 23.1766

Trichromacy



Original Color

16.4780, 19.9358, 3.7901

Protanomaly

17.3100, 19.7935, 3.6673

Deuteranomaly

18.5368, 19.6832, 3.8591

Tritanomaly

18.1651, 19.4825, 12.4760

Monochromacy



Original Color

16.4780, 19.9358, 3.7901

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8472, 17.9641, 10.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4780, 19.9358, 3.7901 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(126, 128, 23)` looks like.

```
.text, #text, p{  
    color:rgb(126, 128, 23)  
}
```

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(126, 128, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 128, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.4780, 19.9358, 3.7901 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(126, 128, 23) }
```


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

```
.border{ border-color:rgb(126, 128, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 128, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 128, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 128, 23);  
box-shadow:4px 4px 4px 4px rgb(126, 128,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4780, 19.9358, 3.7901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 128, 23) }
```

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

```
.background{ background-color: rgb(126,  
128, 23) }
```

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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