

Converting Colors

XYZ(16.8109, 18.4187, 43.9267)

Have a look what the booklet for
XYZ(16.8109, 18.4187, 43.9267)
contains.

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Color

**XYZ(16.7890, 18.4494,
43.7505)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 3A7CB0 |
| RGB | 58, 124, 176 |
| RGB Percent | 23%, 49%, 69% |
| CMY | 0.7725, 0.5137, 0.3098 |
| CMYK | 0.67, 0.30, 0.00, 0.31 |
| HSL | 206°, 50%, 46% |
| HSV | 206°, 67%, 69% |
| XYZ | 16.7890, 18.4494, 43.7505 |
| YIQ | 110.1940, -56.0280, 2.1800 |

Conversions

Conversions Part 2

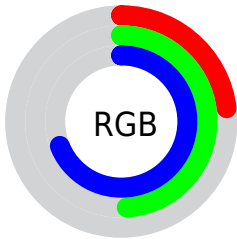
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 58, 100, 176 |
| Decimal | 3833008 |
| CIELab | 50.04, -4.10, -33.73 |
| CIELCh | 50, 33.975, 263.072 |
| Yxy | 18.4494, 0.2125, 0.2336 |
| Android (android.graphics.Color) | 4282023088 (0xFF3A7CB0) |
| YUV | 110.1940, 32.4424, -45.7741 |
| Hunter-Lab | 42.9528, -5.3968, -30.3242 |

Details

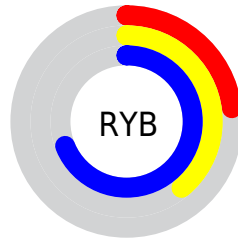
The XYZ color **16.7890, 18.4494, 43.7505** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.2450, 20.6888, 6.7193**, and the grayscale version is **14.7987, 15.5694, 16.9551**.

A 20% lighter version of the original color is **37.4269, 40.6588, 82.2192**, and **6.1596, 6.5989, 19.6880** is the 20% darker color. If you saturate the color by 10%, you get **15.0012, 16.1413, 43.3996**, and if you desaturate by 10%, it is **19.0043, 21.0919, 44.1442**.

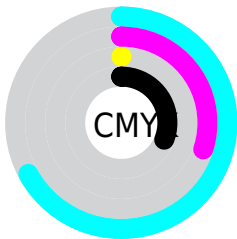
Distribution



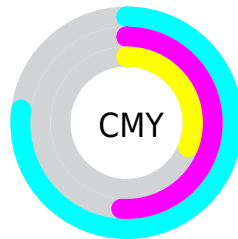
- Red (23%)
- Green (49%)
- Blue (69%)



- Red (23%)
- Yellow (39%)
- Blue (69%)



- Cyan (67%)
- Magenta (30%)
- Yellow (0%)
- Black (31%)



- Cyan (77%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7890, 18.4494, 43.7505 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 16.7890, 18.4494, 43.7505 by changing the saturation by 10% instead.

■ 16.7890, 18.4494,
43.7505

■ 16.7890, 18.4494,
43.7505

227.1335,
243.3920, 377.7007

■ 10.1785, 11.2731,
30.1387

■ 37.5091, 40.8016,
82.1406

■ 5.5807, 6.2508,
19.6909

■ 52.3495, 56.7463,
107.7560

■ 2.6300, 2.9982,
11.9887

■ 70.6639, 76.3827,
138.2097

■ 0.9613, 1.1308,
6.6136

■ 92.8177, 100.0950,
173.9201

■ 0.0000, 0.0041,
3.1469

■ 119.1761,
128.2677, 215.3059

■ 0.0000, 0.0000,
1.1701

150.1047,

■ 0.0000, 0.0000,

161.2851, 262.7855

0.0000

185.9687,
199.5318, 316.7776

■ 16.7890, 18.4494,
43.7505

■ 16.7890, 18.4494,
43.7505

■ 15.0012, 16.1413,
43.3996

■ 19.0043, 21.0919,
44.1442

■ 13.5998, 14.1431,
43.0878

■ 21.6789, 24.0870,
44.5813

■ 12.5295, 12.4238,
42.8123

■ 24.8435, 27.4531,
45.0643

■ 12.2454, 11.9523,
42.7363

■ 28.5256, 31.2069,
45.5947

■ 32.7504, 35.3634,
46.1744

■ 37.5413, 39.9372,
46.8047

■ 42.9203, 44.9417,
47.4871

■ 48.9082, 50.3897,
48.2231

■ 55.5247, 56.2935,
49.0139

Harmonies

Analogous

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



14.0270, 18.4494, 38.1656



16.7890, 18.4494, 43.7505



20.1132, 18.4494, 41.5909

Triad

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



16.7890, 18.4494, 43.7505



23.9702, 18.4494, 13.8329



12.9798, 18.4494, 11.1050

Complementary

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



16.7890, 18.4494, 43.7505



24.2450, 20.6888, 6.7193

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.



15.1882, 18.4494, 7.6699



16.7890, 18.4494, 43.7505



21.5853, 18.4494, 8.8692

Square

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



16.7890, 18.4494, 43.7505



24.5367, 18.4494, 22.3366



18.3040, 18.4494, 7.0024



12.0117, 18.4494, 17.9961

Rectangle

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



16.7890, 18.4494, 43.7505



22.1828, 18.4494, 36.2967



18.3040, 18.4494, 7.0024



13.5875, 18.4494, 9.6070

Sweetspot

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



16.7897, 18.4500, 43.7510



56.7516, 61.5608, 83.3866



20.0385, 33.0578, 19.8314



11.8421, 12.8922, 18.0086



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.7897, 18.4500, 43.7510



26.0175, 27.6287, 78.4569



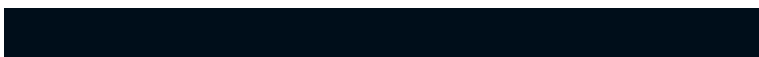
11.5226, 7.9159, 41.9953



8.4230, 8.9921, 10.7980



9.0437, 8.8877, 31.3758



0.3415, 0.3935, 1.0062

Inverse Universe

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



23.0562, 13.7122, 20.5008



38.8380, 20.8434, 30.2382



32.6960, 37.5907, 9.5363



8.6887, 8.5822, 9.8591



14.7995, 7.4373, 9.3700



0.4944, 0.2455, 0.4462

Previews

White Background



This preview shows how the XYZ color 16.7890, 18.4494, 43.7505 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 16.7890, 18.4494, 43.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

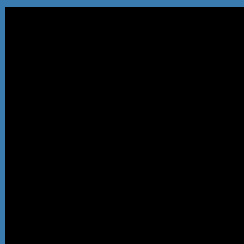
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

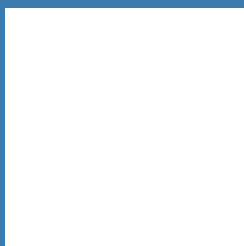
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7890, 18.4494, 43.7505

Background



This preview shows how black text looks on a background with the XYZ color 16.7890, 18.4494, 43.7505.

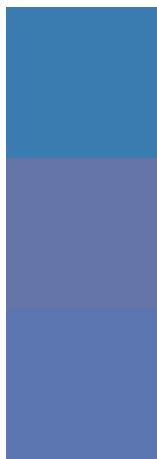


This preview shows how white text looks on a background with the XYZ color 16.7890, 18.4494,

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

16.7890, 18.4494, 43.7505

Protanopia

18.9838, 18.3916, 40.5796

Deuteranopia

18.7286, 18.3553, 44.1508



Tritanopia

13.6516, 18.5308, 28.0566

Trichromacy



Original Color

16.7890, 18.4494, 43.7505

Protanomaly

17.9092, 18.3428, 41.6263

Deuteranomaly

17.8767, 18.2695, 44.1791

Tritanomaly

14.5906, 18.3069, 33.3364

Monochromacy



Original Color

16.7890, 18.4494, 43.7505

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7482, 16.2068, 24.9052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7890, 18.4494, 43.7505 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(58, 124, 176)` looks like.

```
.text, #text, p{  
    color:rgb(58, 124, 176)  
}
```

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(58, 124, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 124, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.7890, 18.4494, 43.7505 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(58, 124, 176) }
```


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

```
.border{ border-color:rgb(58, 124, 176) }
```

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

Here you see how a box with a 4 pixel rgb(58, 124, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 124, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 124, 176);  
box-shadow:4px 4px 4px 4px rgb(58, 124,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7890, 18.4494, 43.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 124, 176) }
```

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

```
.background{ background-color: rgb(58, 124,  
176) }
```

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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