

Converting Colors

XYZ(16.4069, 18.2982, 34.4643)

Have a look what the booklet for
XYZ(16.4069, 18.2982, 34.4643)
contains.

XYZ(16.3932, 18.2625, 34.5593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3932, 18.2625,
34.5593)**

Conversions

Conversions Part 1

Format	Color
Hex	4F7B9D
RGB	79, 123, 157
RGB Percent	31%, 48%, 62%
CMY	0.6902, 0.5176, 0.3843
CMYK	0.50, 0.22, 0.00, 0.38
HSL	206°, 33%, 46%
HSV	206°, 50%, 62%
XYZ	16.3932, 18.2625, 34.5593
YIQ	113.7200, -37.1380, 1.2460

Conversions

Conversions Part 2

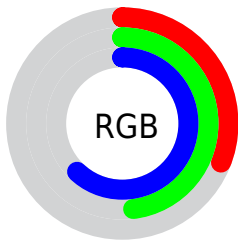
Format	Color
R _Y B	79, 107, 157
Decimal	5208989
CIE Lab	49.81, -5.36, -22.96
CIE LCh	50, 23.572, 256.867
Yxy	18.2625, 0.2368, 0.2639
Android (android.graphics.Color)	4283399069 (0xFF4F7B9D)
YUV	113.7200, 21.3370, -30.4494
Hunter-Lab	42.7346, -6.3122, -18.0333

Details

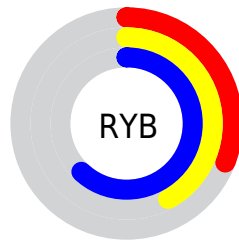
The XYZ color **16.3932, 18.2625, 34.5593** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.2215, 19.5435, 10.0515**, and the grayscale version is **15.8571, 16.6829, 18.1677**.

A 20% lighter version of the original color is **36.7294, 40.3189, 68.1338**, and **5.3812, 6.1087, 14.5312** is the 20% darker color. If you saturate the color by 10%, you get **14.4189, 16.0285, 34.2325**, and if you desaturate by 10%, it is **18.7365, 20.7756, 34.9212**.

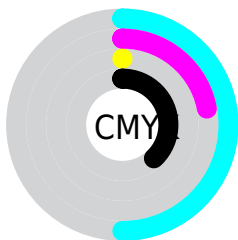
Distribution



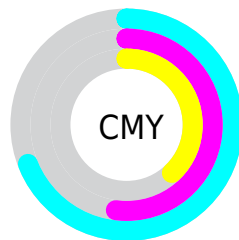
- Red (31%)
- Green (48%)
- Blue (62%)



- Red (31%)
- Yellow (42%)
- Blue (62%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3932, 18.2625, 34.5593 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 16.3932, 18.2625, 34.5593 by changing the saturation by 10% instead.

■ 16.3932, 18.2625,
34.5593

■ 16.3932, 18.2625,
34.5593

224.8759,
242.3465, 337.4638

■ 9.8954, 11.1386,
23.0428

■ 36.8314, 40.4841,
67.9463

■ 5.3914, 6.1601,
14.4195

■ 51.5026, 56.3506,
90.6538

■ 2.5158, 2.9427,
8.2709

■ 69.6290, 75.9001,
117.9288

■ 0.9032, 1.1019,
4.1785

■ 91.5759, 99.5170,
150.1897

■ 0.0000, 0.0000,
1.7238

■ 117.7087,
127.5857, 187.8551

■ 0.0000, 0.0000,
0.3770

148.3927,

■ 0.0000, 0.0000,

160.4906, 231.3436

0.0000

183.9933,
198.6161, 281.0736

■ 16.3932, 18.2625,
34.5593

■ 16.3932, 18.2625,
34.5593

■ 14.4189, 16.0285,
34.2325

■ 18.7365, 20.7756,
34.9212

■ 12.7885, 14.0577,
33.9380

■ 21.4681, 23.5784,
35.3182

■ 11.4763, 12.3355,
33.6748

■ 24.6080, 26.6831,
35.7520

■ 10.4520, 10.8443,
33.4409

■ 28.1741, 30.1008,
36.2237

■ 9.6466, 9.5465,
33.2329

■ 32.1832, 33.8417,
36.7345

■ 9.6221, 9.5069,
33.2265

■ 36.6514, 37.9155,
37.2853

■ 41.5937, 42.3317,
37.8772

■ 47.0245, 47.0990,
38.5112

■ 52.9574, 52.2259,
39.1881

Harmonies

Analogous

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



14.5644, 18.2625, 30.3687



16.3932, 18.2625, 34.5593



18.6440, 18.2625, 34.2581

Triad

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



16.3932, 18.2625, 34.5593



21.8370, 18.2625, 16.5015



14.3878, 18.2625, 12.5584

Complementary

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



16.3932, 18.2625, 34.5593



21.2215, 19.5435, 10.0515

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.



16.1325, 18.2625, 10.2268



16.3932, 18.2625, 34.5593



20.4877, 18.2625, 12.1429

Square

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



16.3932, 18.2625, 34.5593



21.9221, 18.2625, 22.8356



18.3598, 18.2625, 10.0932



13.4758, 18.2625, 17.1998

Rectangle

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



16.3932, 18.2625, 34.5593



20.0856, 18.2625, 31.5383



18.3598, 18.2625, 10.0932



14.8892, 18.2625, 11.5268

Sweetspot

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



16.3938, 18.2632, 34.5597



46.7783, 50.4037, 64.3901



18.2513, 26.9644, 19.8072



10.0247, 10.8324, 14.1329



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.3938, 18.2632, 34.5597



25.3538, 28.1551, 61.2249



12.4967, 10.4690, 33.2607



6.5795, 7.0248, 8.4158



7.8522, 7.7959, 26.9981



0.1821, 0.2227, 0.4966

Inverse Universe

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



20.2763, 14.1907, 20.4100



33.4463, 21.0347, 31.4251



26.5121, 30.1247, 11.8151



6.7819, 6.7057, 7.7024



12.7616, 6.4092, 8.2617



0.2492, 0.1230, 0.2585

Previews

White Background



This preview shows how the XYZ color 16.3932, 18.2625, 34.5593 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 16.3932, 18.2625, 34.5593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

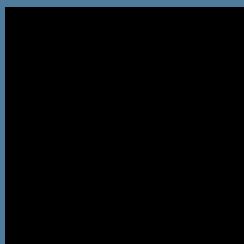
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

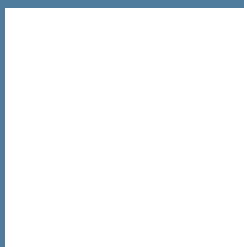
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3932, 18.2625, 34.5593

Background



This preview shows how black text looks on a background with the XYZ color 16.3932, 18.2625, 34.5593.

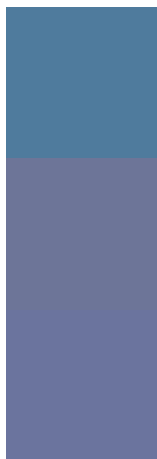


This preview shows how white text looks on a background with the XYZ color 16.3932, 18.2625,

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

16.3932, 18.2625, 34.5593

Protanopia

18.3355, 18.2408, 32.2602

Deuteranopia

18.4804, 18.0852, 34.8645



Tritanopia

14.7772, 18.3626, 26.4324

Trichromacy



Original Color

16.3932, 18.2625, 34.5593

Protanomaly

17.4666, 18.1234, 33.1494

Deuteranomaly

17.6981, 18.2037, 34.9286

Tritanomaly

15.3965, 18.4312, 29.1316

Monochromacy



Original Color

16.3932, 18.2625, 34.5593

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7574, 17.1010, 23.5894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3932, 18.2625, 34.5593 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(79, 123, 157)` looks like.

```
.text, #text, p{  
    color:rgb(79, 123, 157)  
}
```

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(79, 123, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 123, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.3932, 18.2625, 34.5593 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(79, 123, 157) }
```


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

```
.border{ border-color:rgb(79, 123, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 123, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 123, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 123, 157);  
box-shadow:4px 4px 4px 4px rgb(79, 123,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3932, 18.2625, 34.5593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 123, 157) }
```

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

```
.background{ background-color: rgb(79, 123,  
157) }
```

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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