

Converting Colors

XYZ(16.0996, 18.3446, 32.3981)

Have a look what the booklet for
XYZ(16.0996, 18.3446, 32.3981)
contains.

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Color

**XYZ(16.0996, 18.3446,
32.3981)**

Conversions

Conversions Part 1

Format	Color
Hex	4F7C98
RGB	79, 124, 152
RGB Percent	31%, 49%, 60%
CMY	0.6902, 0.5137, 0.4039
CMYK	0.48, 0.18, 0.00, 0.40
HSL	203°, 32%, 45%
HSV	203°, 48%, 60%
XYZ	16.0996, 18.3446, 32.3981
YIQ	113.7370, -35.8080, -0.8320

Conversions

Conversions Part 2

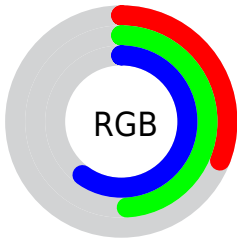
Format	Color
R_{YB}	79, 107, 152
Decimal	5209240
CIE _{Lab}	49.91, -7.45, -19.88
CIE _{LCh}	50, 21.231, 249.452
Yxy	18.3446, 0.2409, 0.2744
Android (android.graphics.Color)	4283399320 (0xFF4F7C98)
YUV	113.7370, 18.8637, -30.4643
Hunter-Lab	42.8306, -7.8571, -14.8670

Details

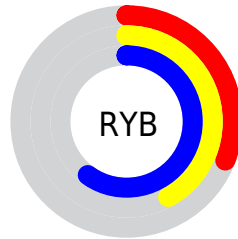
The XYZ color **16.0996, 18.3446, 32.3981** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.6183, 17.7558, 9.7909**, and the grayscale version is **15.8691, 16.6955, 18.1814**.

A 20% lighter version of the original color is **36.1816, 40.4124, 64.2859**, and **5.2417, 6.1659, 13.2258** is the 20% darker color. If you saturate the color by 10%, you get **14.2679, 16.3479, 32.1096**, and if you desaturate by 10%, it is **18.2649, 20.5781, 32.7154**.

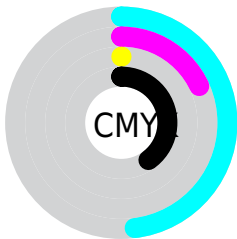
Distribution



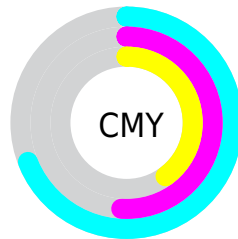
- Red (31%)
- Green (49%)
- Blue (60%)



- Red (31%)
- Yellow (42%)
- Blue (60%)



- Cyan (48%)
- Magenta (18%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0996, 18.3446, 32.3981 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 16.0996, 18.3446, 32.3981 by changing the saturation by 10% instead.

■ 16.0996, 18.3446,
32.3981

■ 16.0996, 18.3446,
32.3981

223.1876,
242.8063, 327.4772

■ 9.6860, 11.1977,
21.3984

■ 36.3271, 40.6236,
64.5398

■ 5.2519, 6.2000,
13.2215

■ 50.8716, 56.5246,
86.5189

■ 2.4321, 2.9670,
7.4487

■ 68.8572, 76.1122,
112.9949

■ 0.8611, 1.1146,
3.6616

■ 90.6491, 99.7711,
144.3863

■ 0.0000, 0.0000,
1.4416

■ 116.6127,
127.8856, 181.1117

■ 0.0000, 0.0000,
0.1738

147.1135,

■ 0.0000, 0.0000,

160.8400, 223.5897

0.0000

182.5166,
199.0187, 272.2386

■ 16.0996, 18.3446,
32.3981

■ 16.0996, 18.3446,
32.3981

■ 14.2679, 16.3479,
32.1096

■ 18.2649, 20.5781,
32.7154

■ 12.7471, 14.5742,
31.8474

■ 20.7806, 23.0572,
33.0613

■ 11.5147, 13.0110,
31.6106

■ 23.6648, 25.7925,
33.4373

■ 10.5437, 11.6433,
31.3978

■ 26.9336, 28.7933,
33.8442

■ 9.7840, 10.4442,
31.2064

■ 30.6020, 32.0683,
34.2830

■ 9.6437, 10.2192,
31.1703

■ 34.6843, 35.6260,
34.7546

■ 39.1940, 39.4743,
35.2597

■ 44.1440, 43.6207,
35.7991

■ 49.5467, 48.0724,
36.3736

Harmonies

Analogous

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



14.5884, 18.3446, 27.9660



16.0996, 18.3446, 32.3981



18.0858, 18.3446, 33.1777

Triad

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



16.0996, 18.3446, 32.3981



21.5832, 18.3446, 18.1915



15.0681, 18.3446, 12.5167

Complementary

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



16.0996, 18.3446, 32.3981



19.6183, 17.7558, 9.7909

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.



16.8019, 18.3446, 10.8410



16.0996, 18.3446, 32.3981



20.6320, 18.3446, 13.6714

Square

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



16.0996, 18.3446, 32.3981



21.3585, 18.3446, 24.1670



18.8444, 18.3446, 11.2181



14.0258, 18.3446, 16.2967

Rectangle

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



16.0996, 18.3446, 32.3981



19.4296, 18.3446, 31.3947



18.8444, 18.3446, 11.2181



15.5837, 18.3446, 11.7256

Sweetspot

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



16.1002, 18.3453, 32.3985



43.8542, 47.4575, 59.2825



17.1061, 25.1804, 17.8646



9.7122, 10.5504, 13.4420



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.1002, 18.3453, 32.3985



24.8614, 28.4908, 56.6226



12.3427, 10.8302, 31.1460



6.1855, 6.6283, 7.8824



8.1165, 8.6296, 26.1456



0.1564, 0.1990, 0.4025

Inverse Universe

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



19.3835, 13.7232, 20.6967



31.6313, 20.1770, 32.2216



24.2558, 27.0307, 11.3367



6.3607, 6.2835, 7.2797



12.5556, 6.2765, 9.4506



0.2054, 0.1009, 0.2344

Previews

White Background



This preview shows how the XYZ color 16.0996, 18.3446, 32.3981 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 16.0996, 18.3446, 32.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

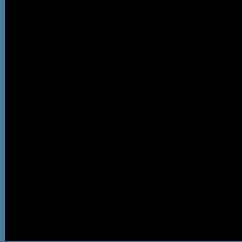
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0996, 18.3446, 32.3981

Background



This preview shows how black text looks on a background with the XYZ color 16.0996, 18.3446, 32.3981.

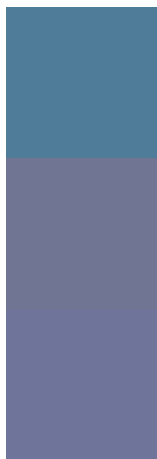


This preview shows how white text looks on a background with the XYZ color 16.0996, 18.3446,

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

16.0996, 18.3446, 32.3981

Protanopia

18.1833, 18.2087, 30.1600

Deuteranopia

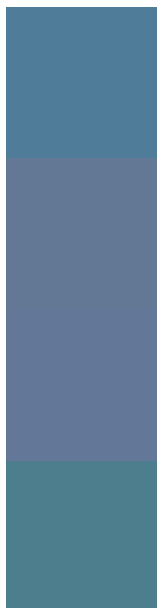
18.6337, 18.2034, 33.1034



Tritanopia

14.9288, 18.4407, 26.4395

Trichromacy



Original Color

16.0996, 18.3446, 32.3981

Protanomaly

17.2869, 18.2555, 31.0463

Deuteranomaly

17.4922, 18.1462, 32.7176

Tritanomaly

15.3238, 18.4112, 28.3373

Monochromacy



Original Color

16.0996, 18.3446, 32.3981

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7415, 17.2821, 22.9282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0996, 18.3446, 32.3981 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, 124, 152)` looks like.

```
.text, #text, p{  
    color:rgb(79, 124, 152)  
}
```

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, 124, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 124, 152) }
```

Border

The CSS property to change the border of an element to XYZ 16.0996, 18.3446, 32.3981 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, 124, 152) }
```


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

```
.border{ border-color:rgb(79, 124, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 124, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 124, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 124, 152);  
box-shadow:4px 4px 4px 4px rgb(79, 124,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0996, 18.3446, 32.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 124, 152) }
```

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

```
.background{ background-color: rgb(79, 124,  
152) }
```

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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