

Converting Colors

XYZ(16.7095, 19.1270, 36.9936)

Have a look what the booklet for
XYZ(16.7095, 19.1270, 36.9936)
contains.

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Color

**XYZ(16.7095, 19.1270,
36.9936)**

Conversions

Conversions Part 1

Format	Color
Hex	477FA2
RGB	71, 127, 162
RGB Percent	28%, 50%, 64%
CMY	0.7216, 0.5020, 0.3647
CMYK	0.56, 0.22, 0.00, 0.36
HSL	203°, 39%, 46%
HSV	203°, 56%, 64%
XYZ	16.7095, 19.1270, 36.9936
YIQ	114.2460, -44.6110, -0.9870

Conversions

Conversions Part 2

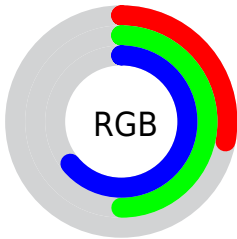
Format	Color
R_{YB}	71, 106, 162
Decimal	4685730
CIE Lab	50.84, -7.98, -24.32
CIE LCh	51, 25.601, 251.826
Yxy	19.1270, 0.2294, 0.2626
Android (android.graphics.Color)	4282875810 (0xFF477FA2)
YUV	114.2460, 23.5427, -37.9267
Hunter-Lab	43.7344, -8.3362, -19.5375

Details

The XYZ color **16.7095, 19.1270, 36.9936** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **21.1923, 18.4451, 8.4053**, and the grayscale version is **16.0098, 16.8435, 18.3426**.

A 20% lighter version of the original color is **37.4498, 42.0879, 71.7956**, and **5.5389, 6.5746, 15.7289** is the 20% darker color. If you saturate the color by 10%, you get **14.8961, 17.0346, 36.6857**, and if you desaturate by 10%, it is **18.8907, 21.4837, 37.3339**.

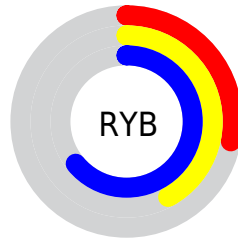
Distribution



Red (28%)

Green (50%)

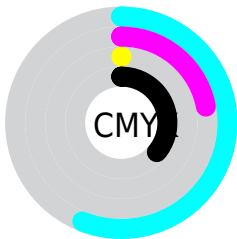
Blue (64%)



Red (28%)

Yellow (42%)

Blue (64%)

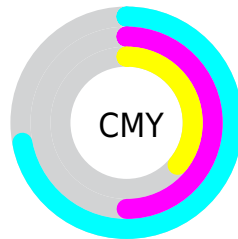


Cyan (56%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (72%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7095, 19.1270, 36.9936 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 16.7095, 19.1270, 36.9936 by changing the saturation by 10% instead.

■ 16.7095, 19.1270,
36.9936

■ 16.7095, 19.1270,
36.9936

226.6817,
247.1490, 348.4507

■ 10.1216, 11.7621,
24.9068

■ 37.3732, 41.9486,
71.7492

■ 5.5425, 6.5819,
15.7892

■ 52.1797, 58.1740,
95.2550

■ 2.6070, 3.2020,
9.2224

■ 70.4565, 78.1218,
123.4042

■ 0.9495, 1.2381,
4.7877

■ 92.5689, 102.1763,
156.6154

■ 0.0000, 0.0925,
2.0667

■ 118.8823,
130.7218, 195.3071

■ 0.0000, 0.0000,
0.5958

149.7620,

■ 0.0000, 0.0000,

164.1429, 239.8979

0.0000

185.5733,
202.8238, 290.8062

■ 16.7095, 19.1270,
36.9936

■ 16.7095, 19.1270,
36.9936

■ 14.8961, 17.0346,
36.6857

■ 18.8907, 21.4837,
37.3339

■ 13.4219, 15.1892,
36.4072

■ 21.4616, 24.1160,
37.7065

■ 12.2568, 13.5744,
36.1569

■ 24.4445, 27.0372,
38.1131

■ 11.3584, 12.1669,
35.9326

■ 27.8594, 30.2588,
38.5549

■ 11.0494, 11.6642,
35.8518

■ 31.7249, 33.7915,
39.0331

■ 36.0586, 37.6456,
39.5486

■ 40.8768, 41.8307,
40.1025

■ 46.1952, 46.3560,
40.6956

■ 52.0288, 51.2302,
41.3290

Harmonies

Analogous

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



14.8020, 19.1270, 31.5217



16.7095, 19.1270, 36.9936



19.1911, 19.1270, 37.5801

Triad

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



16.7095, 19.1270, 36.9936



23.3480, 19.1270, 18.1089



15.1353, 19.1270, 12.1007

Complementary

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



16.7095, 19.1270, 36.9936



21.1923, 18.4451, 8.4053

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.



17.2043, 19.1270, 9.9804



16.7095, 19.1270, 36.9936



22.0356, 19.1270, 12.8732

Square

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



16.7095, 19.1270, 36.9936



23.1842, 19.1270, 25.4622



19.7336, 19.1270, 10.2260



13.9526, 19.1270, 16.7899

Rectangle

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



16.7095, 19.1270, 36.9936



20.8571, 19.1270, 34.9857



19.7336, 19.1270, 10.2260



15.7417, 19.1270, 11.1187

Sweetspot

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



16.7101, 19.1277, 36.9941



49.8204, 54.2294, 69.8976



18.1149, 28.2189, 18.0967



10.9162, 11.9244, 15.6638



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.7101, 19.1277, 36.9941



26.4296, 30.1831, 66.4891



12.1093, 9.9259, 35.4604



7.0462, 7.5514, 8.9893



8.7475, 9.2744, 28.2589



0.2275, 0.2822, 0.6083

Inverse Universe

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



20.9849, 13.7208, 21.6217



35.3262, 20.7440, 34.0894



27.1665, 30.3936, 10.3967



7.2483, 7.1558, 8.2940



13.5608, 6.7804, 10.1437



0.3070, 0.1513, 0.3292

Previews

White Background



This preview shows how the XYZ color 16.7095, 19.1270, 36.9936 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 16.7095, 19.1270, 36.9936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

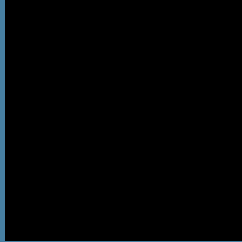
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7095, 19.1270, 36.9936

Background



This preview shows how black text looks on a background with the XYZ color 16.7095, 19.1270, 36.9936.

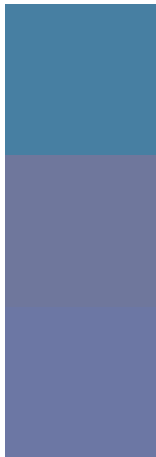


This preview shows how white text looks on a background with the XYZ color 16.7095, 19.1270,

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

16.7095, 19.1270, 36.9936

Protanopia

19.1531, 18.9735, 34.1053

Deuteranopia

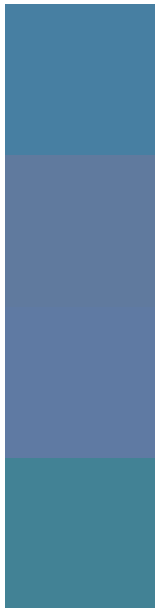
19.4820, 19.0621, 37.7745



Tritanopia

14.9739, 19.2124, 28.1185

Trichromacy



Original Color

16.7095, 19.1270, 36.9936

Protanomaly

17.9550, 18.8745, 35.0446

Deuteranomaly

18.2897, 18.9963, 37.3530

Tritanomaly

15.6542, 19.2934, 31.3327

Monochromacy



Original Color

16.7095, 19.1270, 36.9936

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7306, 17.4290, 24.0078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7095, 19.1270, 36.9936 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(71, 127, 162)` looks like.

```
.text, #text, p{  
    color:rgb(71, 127, 162)  
}
```

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(71, 127, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 127, 162) }
```

Border

The CSS property to change the border of an element to XYZ 16.7095, 19.1270, 36.9936 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(71, 127, 162) }
```


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

```
.border{ border-color:rgb(71, 127, 162) }
```

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

Here you see how a box with a 4 pixel rgb(71, 127, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 127, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 127, 162);  
box-shadow:4px 4px 4px 4px rgb(71, 127,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7095, 19.1270, 36.9936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 127, 162) }
```

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

```
.background{ background-color: rgb(71, 127,  
162) }
```

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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