

Converting Colors

XYZ(16.4697, 17.1257, 31.2917)

Have a look what the booklet for
XYZ(16.4697, 17.1257, 31.2917)
contains.

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Color

**XYZ(16.4697, 17.1257,
31.2917)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7496
RGB	95, 116, 150
RGB Percent	37%, 45%, 59%
CMY	0.6274, 0.5451, 0.4118
CMYK	0.37, 0.23, 0.00, 0.41
HSL	217°, 22%, 48%
HSV	217°, 37%, 59%
XYZ	16.4697, 17.1257, 31.2917
YIQ	113.5970, -23.4300, 6.1220

Conversions

Conversions Part 2

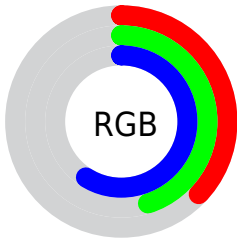
Format	Color
R_{YB}	95, 110, 150
Decimal	6255766
CIE _{Lab}	48.42, 1.09, -20.92
CIE _{LCh}	48, 20.946, 272.980
Yxy	17.1257, 0.2538, 0.2639
Android (android.graphics.Color)	4284445846 (0xFF5F7496)
YUV	113.5970, 17.9467, -16.3096
Hunter-Lab	41.3832, -1.3811, -15.8636

Details

The XYZ color **16.4697, 17.1257, 31.2917** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.4938, 23.0110, 14.0830**, and the grayscale version is **15.8272, 16.6515, 18.1335**.

A 20% lighter version of the original color is **36.9343, 38.5679, 62.6244**, and **5.4014, 5.5930, 12.5992** is the 20% darker color. If you saturate the color by 10%, you get **14.0431, 14.3667, 30.8874**, and if you desaturate by 10%, it is **19.3042, 20.2541, 31.7464**.

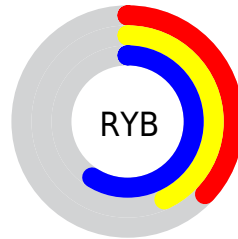
Distribution



Red (37%)

Green (45%)

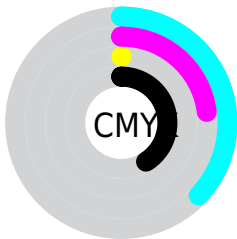
Blue (59%)



Red (37%)

Yellow (43%)

Blue (59%)

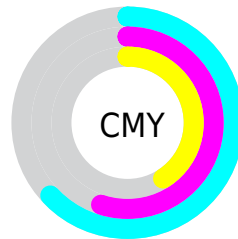


Cyan (37%)

Magenta (23%)

Yellow (0%)

Black (41%)



Cyan (63%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4697, 17.1257, 31.2917 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 16.4697, 17.1257, 31.2917 by changing the saturation by 10% instead.

■ 16.4697, 17.1257,
31.2917

■ 16.4697, 17.1257,
31.2917

225.3139,
235.8957, 322.2727

■ 9.9501, 10.3242,
20.5607

■ 36.9626, 38.5418,
62.7840

■ 5.4279, 5.6144,
12.6152

■ 51.6666, 53.9251,
84.3824

■ 2.5378, 2.6121,
7.0365

■ 69.8295, 72.9378,
110.4404

■ 0.9143, 0.9327,
3.4062

■ 91.8166, 95.9642,
141.3765

■ 0.0000, 0.0000,
1.3056

117.9932,
123.3889, 177.6092

■ 0.0000, 0.0000,
0.0663

148.7247,

■ 0.0000, 0.0000,

155.5961, 219.5571

0.0000

184.3765,
192.9702, 267.6387

■ 16.4697, 17.1257,
31.2917

■ 16.4697, 17.1257,
31.2917

■ 14.0431, 14.3667,
30.8874

■ 19.3042, 20.2541,
31.7464

■ 12.0022, 11.9601,
30.5304

■ 22.5638, 23.7641,
32.2521

■ 10.3255, 9.8900,
30.2192

■ 26.2667, 27.6697,
32.8108

■ 8.9879, 8.1387,
29.9517

■ 30.4295, 31.9836,
33.4241

■ 7.9613, 6.6861,
29.7254

■ 35.0679, 36.7178,
34.0934

■ 7.2028, 5.5046,
29.5373

■ 40.1969, 41.8839,
34.8203

■ 6.9819, 5.1556,
29.4816

■ 45.8308, 47.4929,
35.6060

■ 51.9832, 53.5556,
36.4519

■ 58.6674, 60.0821,
37.3594

Harmonies

Analogous

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



14.6606, 17.1257, 29.7129



16.4697, 17.1257, 31.2917



18.3662, 17.1257, 28.9710

Triad

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



16.4697, 17.1257, 31.2917



19.5673, 17.1257, 13.4735



13.2114, 17.1257, 14.2529

Complementary

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



16.4697, 17.1257, 31.2917



22.4938, 23.0110, 14.0830

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.



14.3534, 17.1257, 11.1232



16.4697, 17.1257, 31.2917



18.0091, 17.1257, 10.7391

Square

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



16.4697, 17.1257, 31.2917



20.2404, 17.1257, 18.1039



16.0867, 17.1257, 9.9709



12.8688, 17.1257, 19.2008

Rectangle

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



16.4697, 17.1257, 31.2917



19.3994, 17.1257, 25.7478



16.0867, 17.1257, 9.9709



13.5098, 17.1257, 12.9888

Sweetspot

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



16.4703, 17.1264, 31.2921



43.2815, 45.6056, 57.4428



19.5830, 25.8287, 24.6936



9.4181, 9.9236, 12.7039



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.4703, 17.1264, 31.2921



25.5017, 26.1830, 54.6310



15.0113, 13.1777, 30.6068



5.6702, 5.9743, 7.3240



5.8197, 4.3342, 24.4609



0.0982, 0.1069, 0.3084

Inverse Universe

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



19.8227, 15.9299, 18.5537



32.4295, 24.2054, 28.1964



24.4012, 28.5311, 15.0479



5.8870, 5.8499, 6.5109



11.0646, 5.6309, 3.8213



0.1490, 0.0744, 0.1183

Previews

White Background



This preview shows how the XYZ color 16.4697, 17.1257, 31.2917 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 16.4697, 17.1257, 31.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

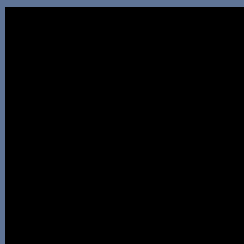
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

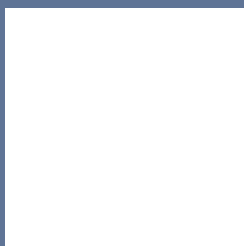
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4697, 17.1257, 31.2917

Background



This preview shows how black text looks on a background with the XYZ color 16.4697, 17.1257, 31.2917.

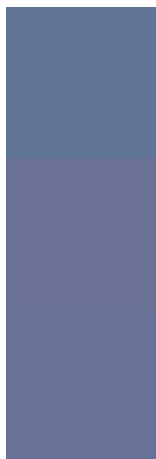


This preview shows how white text looks on a background with the XYZ color 16.4697, 17.1257,

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

16.4697, 17.1257, 31.2917

Protanopia

17.1943, 17.0125, 30.3945

Deuteranopia

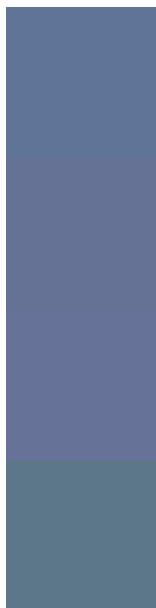
17.4349, 17.1088, 31.6616



Tritanopia

14.8954, 17.1916, 23.3021

Trichromacy



Original Color

16.4697, 17.1257, 31.2917

Protanomaly

16.9216, 17.0293, 30.8289

Deuteranomaly

17.0827, 17.0938, 31.6772

Tritanomaly

15.5258, 17.2751, 26.1830

Monochromacy



Original Color

16.4697, 17.1257, 31.2917

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0249, 16.9196, 22.4999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4697, 17.1257, 31.2917 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(95, 116, 150) looks like.

```
.text, #text, p{  
    color:rgb(95, 116, 150)  
}
```

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(95, 116, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 116, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.4697, 17.1257, 31.2917 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(95, 116, 150) }
```


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

```
.border{ border-color:rgb(95, 116, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 116, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 116, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 116, 150);  
box-shadow:4px 4px 4px 4px rgb(95, 116,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4697, 17.1257, 31.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 116, 150) }
```

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

```
.background{ background-color: rgb(95, 116,  
150) }
```

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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