

Converting Colors

XYZ(15.2293, 17.8085, 34.2473)

Have a look what the booklet for
XYZ(15.2293, 17.8085, 34.2473)
contains.

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Color

**XYZ(15.2583, 17.8724,
34.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7C9C
RGB	63, 124, 156
RGB Percent	25%, 49%, 61%
CMY	0.7529, 0.5137, 0.3882
CMYK	0.60, 0.21, 0.00, 0.39
HSL	201°, 42%, 43%
HSV	201°, 60%, 61%
XYZ	15.2583, 17.8724, 34.0980
YIQ	109.4090, -46.6280, -2.9800

Conversions

Conversions Part 2

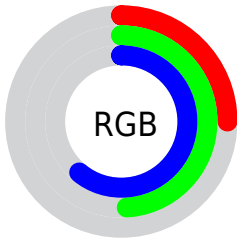
Format	Color
R _{YB}	63, 100, 156
Decimal	4160668
CIE Lab	49.34, -9.90, -23.16
CIE LCh	49, 25.186, 246.858
Yxy	17.8724, 0.2270, 0.2658
Android (android.graphics.Color)	4282350748 (0xFF3F7C9C)
YUV	109.4090, 22.9694, -40.7007
Hunter-Lab	42.2758, -9.5578, -18.2280

Details

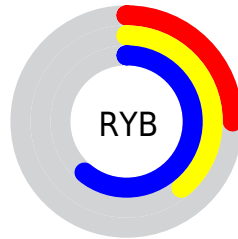
The XYZ color **15.2583, 17.8724, 34.0980** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.7003, 15.6119, 6.7310**, and the grayscale version is **14.5988, 15.3591, 16.7261**.

A 20% lighter version of the original color is **35.0878, 40.0694, 67.5129**, and **5.0659, 6.0521, 14.2658** is the 20% darker color. If you saturate the color by 10%, you get **13.7452, 16.1211, 33.8401**, and if you desaturate by 10%, it is **17.0915, 19.8438, 34.3822**.

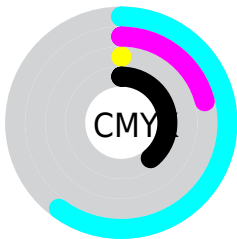
Distribution



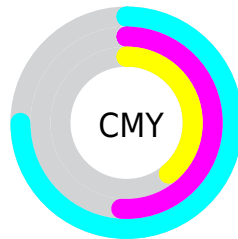
- Red (25%)
- Green (49%)
- Blue (61%)



- Red (25%)
- Yellow (39%)
- Blue (61%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (39%)



- Cyan (75%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2583, 17.8724, 34.0980 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 15.2583, 17.8724, 34.0980 by changing the saturation by 10% instead.

■ 15.2583, 17.8724,
34.0980

■ 15.2583, 17.8724,
34.0980

218.2819,
240.1508, 335.3513

■ 9.0884, 10.8584,
22.6909

■ 34.8736, 39.8198,
67.2217

■ 4.8564, 5.9717,
14.1623

■ 49.0497, 55.5220,
89.7754

■ 2.1972, 2.8279,
8.0936

■ 66.6253, 74.8890,
116.8817

■ 0.7412, 1.0425,
4.0663

■ 87.9656, 98.3053,
148.9591

■ 0.0000, 0.0000,
1.6618

■ 113.4361,
126.1552, 186.4263

■ 0.0000, 0.0000,
0.3343

143.4020,

■ 0.0000, 0.0000,

158.8232, 229.7016

0.0000

178.2288,
196.6936, 279.2038

■ 15.2583, 17.8724,
34.0980

■ 15.2583, 17.8724,
34.0980

■ 13.7452, 16.1211,
33.8401

■ 17.0915, 19.8438,
34.3822

■ 12.5253, 14.5741,
33.6057

■ 19.2653, 22.0456,
34.6927

■ 11.5699, 13.2161,
33.3940

■ 21.8004, 24.4898,
35.0308

■ 10.8121, 12.0117,
33.2014

■ 24.7153, 27.1865,
35.3977

■ 10.7840, 11.9667,
33.1943

■ 28.0271, 30.1455,
35.7943

■ 31.7520, 33.3757,
36.2215

■ 35.9049, 36.8858,
36.6801

■ 40.5003, 40.6839,
37.1710

■ 45.5518, 44.7777,
37.6949

Harmonies

Analogous

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



13.5954, 17.8724, 28.3858



15.2583, 17.8724, 34.0980



17.5372, 17.8724, 35.5077

Triad

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



15.2583, 17.8724, 34.0980



21.9255, 17.8724, 17.9427



14.3975, 17.8724, 10.7736

Complementary

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



15.2583, 17.8724, 34.0980



18.7003, 15.6119, 6.7310

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.



16.4488, 17.8724, 9.1651



15.2583, 17.8724, 34.0980



20.9008, 17.8724, 12.6340

Square

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



15.2583, 17.8724, 34.0980



21.5319, 17.8724, 25.0535



18.8420, 17.8724, 9.7566



13.1317, 17.8724, 14.7680

Rectangle

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



15.2583, 17.8724, 34.0980



19.1304, 17.8724, 33.5808



18.8420, 17.8724, 9.7566



15.0103, 17.8724, 9.9840

Sweetspot

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



15.2589, 17.8731, 34.0984



45.6052, 50.0267, 64.3792



15.9593, 25.6423, 14.6987



9.6970, 10.7008, 14.1247



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.



15.2589, 17.8731, 34.0984



24.0601, 28.1666, 61.2953



10.8113, 8.9779, 32.6159



6.6295, 7.1248, 8.4325



8.9157, 9.9230, 27.3527



0.1973, 0.2532, 0.5017

Inverse Universe

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



19.1264, 12.0788, 20.3928



32.1588, 18.0907, 32.1338



24.0593, 26.3299, 8.5174



6.8071, 6.7158, 7.8353



13.2985, 6.6239, 11.0886



0.2569, 0.1261, 0.2990

Previews

White Background



This preview shows how the XYZ color 15.2583, 17.8724, 34.0980 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 15.2583, 17.8724, 34.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

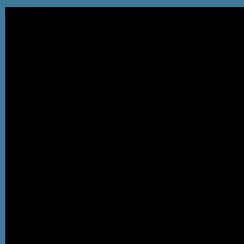
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

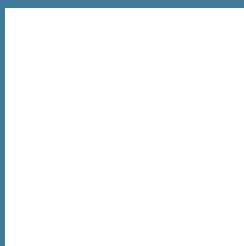
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2583, 17.8724, 34.0980

Background



This preview shows how black text looks on a background with the XYZ color 15.2583, 17.8724, 34.0980.



This preview shows how white text looks on a background with the XYZ color 15.2583, 17.8724,

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

15.2583, 17.8724, 34.0980

Protanopia

17.8201, 17.6516, 31.3220

Deuteranopia

18.1280, 17.7333, 34.8152



Tritanopia

13.7524, 17.8259, 26.7607

Trichromacy



Original Color

15.2583, 17.8724, 34.0980

Protanomaly

16.5596, 17.4992, 32.2107

Deuteranomaly

16.7807, 17.5648, 34.4042

Tritanomaly

14.3166, 17.8656, 29.4819

Monochromacy



Original Color

15.2583, 17.8724, 34.0980

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1968, 15.8163, 22.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2583, 17.8724, 34.0980 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(63, 124, 156)` looks like.

```
.text, #text, p{  
    color:rgb(63, 124, 156)  
}
```

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(63, 124, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 124, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.2583, 17.8724, 34.0980 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(63, 124, 156) }
```


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

```
.border{ border-color:rgb(63, 124, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 124, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 124, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 124, 156);  
box-shadow:4px 4px 4px 4px rgb(63, 124,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2583, 17.8724, 34.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 124, 156) }
```

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

```
.background{ background-color: rgb(63, 124,  
156) }
```

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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