

Converting Colors

XYZ(16.9059, 17.6188, 35.6420)

Have a look what the booklet for
XYZ(16.9059, 17.6188, 35.6420)
contains.

XYZ(16.9434, 17.6188, 35.7655)	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(16.9434, 17.6188,
35.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	5976A0
RGB	89, 118, 160
RGB Percent	35%, 46%, 63%
CMY	0.6510, 0.5372, 0.3725
CMYK	0.44, 0.26, 0.00, 0.37
HSL	215°, 29%, 49%
HSV	215°, 44%, 63%
XYZ	16.9434, 17.6188, 35.7655
YIQ	114.1170, -30.7660, 6.9140

Conversions

Conversions Part 2

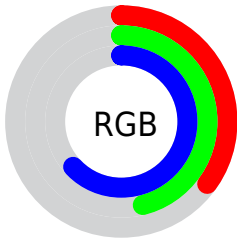
Format	Color
R_{YB}	89, 110, 160
Decimal	5863072
CIE _{Lab}	49.03, 1.10, -25.87
CIE _{LCh}	49, 25.897, 272.426
Yxy	17.6188, 0.2409, 0.2505
Android (android.graphics.Color)	4284053152 (0xFF5976A0)
YUV	114.1170, 22.6203, -22.0276
Hunter-Lab	41.9748, -1.4031, -21.1370

Details

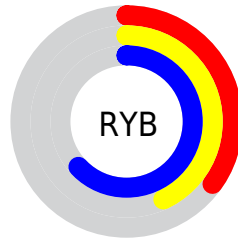
The XYZ color **16.9434, 17.6188, 35.7655** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.4171, 24.4279, 12.8799**, and the grayscale version is **15.9707, 16.8024, 18.2978**.

A 20% lighter version of the original color is **37.7958, 39.4065, 69.9041**, and **5.6245, 5.8381, 15.0178** is the 20% darker color. If you saturate the color by 10%, you get **14.5125, 14.7935, 35.3486**, and if you desaturate by 10%, it is **19.8211, 20.8412, 36.2361**.

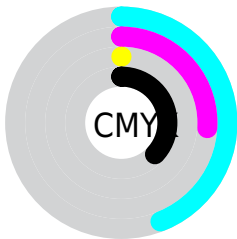
Distribution



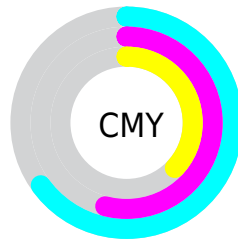
- Red (35%)
- Green (46%)
- Blue (63%)



- Red (35%)
- Yellow (43%)
- Blue (63%)



- Cyan (44%)
- Magenta (26%)
- Yellow (0%)
- Black (37%)



- Cyan (65%)
- Magenta (54%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9434, 17.6188, 35.7655 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 16.9434, 17.6188, 35.7655 by changing the saturation by 10% instead.

■ 16.9434, 17.6188,
35.7655

■ 16.9434, 17.6188,
35.7655

228.0086,
238.7135, 342.9408

■ 10.2892, 10.6767,
23.9649

■ 37.7728, 39.3867,
69.8349

■ 5.6549, 5.8499,
15.0956

■ 52.6787, 54.9812,
92.9408

■ 2.6750, 2.7540,
8.7391

■ 71.0659, 74.2287,
120.6522

■ 0.9843, 1.0047,
4.4770

■ 93.2998, 97.5134,
153.3877

■ 0.0000, 0.0000,
1.8905

119.7456,
125.2199, 191.5657

■ 0.0000, 0.0000,
0.4867

150.7688,

■ 0.0000, 0.0000,

157.7325, 235.6049

0.0000

186.7347,
195.4356, 285.9237

■ 16.9434, 17.6188,
35.7655

■ 16.9434, 17.6188,
35.7655

■ 14.5125, 14.7935,
35.3486

■ 19.8211, 20.8412,
36.2361

■ 12.5014, 12.3455,
34.9821

■ 23.1667, 24.4752,
36.7612

■ 10.8830, 10.2559,
34.6641

■ 27.0023, 28.5369,
37.3431

■ 9.6253, 8.5031,
34.3920

■ 31.3479, 33.0411,
37.9834

■ 8.6908, 7.0619,
34.1631

■ 36.2221, 38.0015,
38.6840

■ 8.2559, 6.3594,
34.0504

■ 41.6428, 43.4313,
39.4463

■ 47.6271, 49.3433,
40.2721

■ 54.1911, 55.7495,
41.1626

■ 61.3503, 62.6616,
42.1195

Harmonies

Analogous

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



14.6882, 17.6188, 33.5441



16.9434, 17.6188, 35.7655



19.3603, 17.6188, 32.7339

Triad

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



16.9434, 17.6188, 35.7655



20.9774, 17.6188, 12.9024



12.9596, 17.6188, 13.6651

Complementary

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



16.9434, 17.6188, 35.7655



24.4171, 24.4279, 12.8799

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.



14.3786, 17.6188, 10.0089



16.9434, 17.6188, 35.7655



18.9878, 17.6188, 9.6486

Square

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



16.9434, 17.6188, 35.7655



21.8247, 17.6188, 18.6266



16.5504, 17.6188, 8.7319



12.5237, 17.6188, 19.7521

Rectangle

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



16.9434, 17.6188, 35.7655



20.7008, 17.6188, 28.4849



16.5504, 17.6188, 8.7319



13.3302, 17.6188, 12.1661

Sweetspot

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



16.9440, 17.6195, 35.7659



49.8672, 52.6922, 67.9289



20.7484, 28.8888, 25.7491



10.5956, 11.1991, 14.8468



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.9440, 17.6195, 35.7659



26.4922, 27.0289, 64.2074



14.6287, 12.1119, 34.8249



6.4961, 6.8580, 8.3880



6.4724, 5.0363, 26.5382



0.1562, 0.1710, 0.4880

Inverse Universe

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



21.3401, 15.9269, 19.0897



35.7156, 24.3569, 29.0218



27.7167, 32.7415, 14.3107



6.7397, 6.6888, 7.4806



12.0652, 6.1306, 4.5942



0.2362, 0.1178, 0.1897

Previews

White Background



This preview shows how the XYZ color 16.9434, 17.6188, 35.7655 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 16.9434, 17.6188, 35.7655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

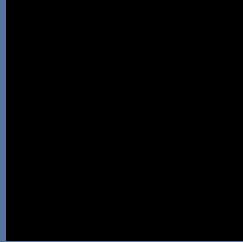
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9434, 17.6188, 35.7655

Background



This preview shows how black text looks on a background with the XYZ color 16.9434, 17.6188, 35.7655.

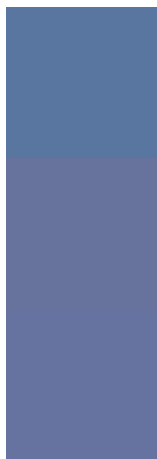


This preview shows how white text looks on a background with the XYZ color 16.9434, 17.6188,

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

16.9434, 17.6188, 35.7655

Protanopia

17.9255, 17.6388, 34.3582

Deuteranopia

18.0432, 17.6595, 36.1758



Tritanopia

14.7099, 17.6087, 24.8138

Trichromacy



Original Color

16.9434, 17.6188, 35.7655

Protanomaly

17.5625, 17.6121, 34.8216

Deuteranomaly

17.6082, 17.6054, 36.1883

Tritanomaly

15.4515, 17.5427, 28.5583

Monochromacy



Original Color

16.9434, 17.6188, 35.7655

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0532, 16.9034, 23.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9434, 17.6188, 35.7655 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(89, 118, 160)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 160)  
}
```

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(89, 118, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 160) }
```

Border

The CSS property to change the border of an element to XYZ 16.9434, 17.6188, 35.7655 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(89, 118, 160) }
```


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

```
.border{ border-color:rgb(89, 118, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 160);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9434, 17.6188, 35.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 160) }
```

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

```
.background{ background-color: rgb(89, 118,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor