

Converting Colors

XYZ(15.9224, 14.0187, 34.6655)

Have a look what the booklet for
XYZ(15.9224, 14.0187, 34.6655)
contains.

XYZ(15.8812, 13.9479, 34.6561)	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(15.8812, 13.9479,
34.6561)**

Conversions

Conversions Part 1

Format	Color
Hex	64629F
RGB	100, 98, 159
RGB Percent	39%, 38%, 62%
CMY	0.6078, 0.6157, 0.3765
CMYK	0.37, 0.38, 0.00, 0.38
HSL	242°, 24%, 50%
HSV	242°, 38%, 62%
XYZ	15.8812, 13.9479, 34.6561
YIQ	105.5520, -18.3890, 19.3950

Conversions

Conversions Part 2

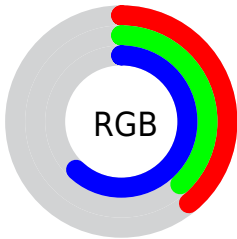
Format	Color
R_{YB}	100, 98, 159
Decimal	6578847
CIE _{Lab}	44.16, 16.09, -32.83
CIE _{LCh}	44, 36.563, 296.108
Yxy	13.9479, 0.2463, 0.2163
Android (android.graphics.Color)	4284768927 (0xFF64629F)
YUV	105.5520, 26.3499, -4.8691
Hunter-Lab	37.3469, 10.5474, -28.8754

Details

The XYZ color **15.8812, 13.9479, 34.6561** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.5076, 32.8465, 16.3933**, and the grayscale version is **13.5117, 14.2153, 15.4805**.

A 20% lighter version of the original color is **36.0219, 33.1222, 68.1130**, and **5.1485, 4.1705, 14.4435** is the 20% darker color. If you saturate the color by 10%, you get **12.9953, 10.4669, 34.1366**, and if you desaturate by 10%, it is **19.3848, 18.1865, 35.2898**.

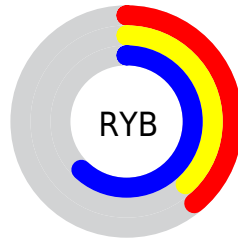
Distribution



Red (39%)

Green (38%)

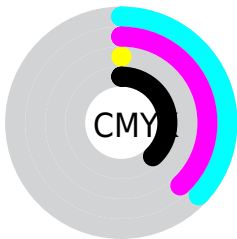
Blue (62%)



Red (39%)

Yellow (38%)

Blue (62%)

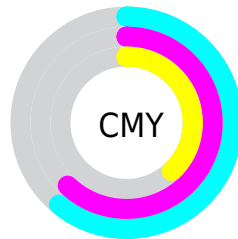


Cyan (37%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (61%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8812, 13.9479, 34.6561 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 15.8812, 13.9479, 34.6561 by changing the saturation by 10% instead.

■ 15.8812, 13.9479,
34.6561

■ 15.8812, 13.9479,
34.6561

221.9239,
216.9065, 337.9058

■ 9.5304, 8.0844,
23.1167

■ 35.9510, 32.9966,
68.0982

■ 5.1486, 4.1490,
14.4736

■ 50.4007, 46.9505,
90.8379

■ 2.3704, 1.7573,
8.3083

■ 68.2807, 64.3702,
118.1481

■ 0.8303, 0.4603,
4.2022

■ 89.9565, 85.6398,
150.4474

■ 0.0000, 0.0000,
1.7369

115.7934,
111.1438, 188.1543

■ 0.0000, 0.0000,
0.3859

146.1566,

■ 0.0000, 0.0000,

141.2667, 231.6873

0.0000

181.4117,
176.3928, 281.4649

■ 15.8812, 13.9479,
34.6561

■ 15.8812, 13.9479,
34.6561

■ 12.9953, 10.4669,
34.1366

■ 19.3848, 18.1865,
35.2898

■ 10.6897, 7.6975,
33.7235

■ 23.5373, 23.2220,
36.0429

■ 8.9258, 5.5909,
33.4099

■ 28.3698, 29.0930,
36.9214

■ 7.6591, 4.0918,
33.1873

■ 33.9108, 35.8349,
37.9307

■ 6.8384, 3.1357,
33.0460

■ 40.1873, 43.4812,
39.0758

■ 6.3831, 2.6096,
32.9685

■ 47.2249, 52.0636,
40.3614

■ 6.3233, 2.5369,
32.9576

■ 55.0478, 61.6124,
41.7922

■ 63.6792, 72.1562,
43.3725

■ 73.1416, 83.7228,
45.1063

Harmonies

Analogous

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



12.8800, 13.9479, 37.5070



15.8812, 13.9479, 34.6561



18.4783, 13.9479, 26.0189

Triad

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



15.8812, 13.9479, 34.6561



16.6366, 13.9479, 5.3756



8.4122, 13.9479, 14.1225

Complementary

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



15.8812, 13.9479, 34.6561



28.5076, 32.8465, 16.3933

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.



9.1256, 13.9479, 7.8760



15.8812, 13.9479, 34.6561



13.6414, 13.9479, 4.1380

Square

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



15.8812, 13.9479, 34.6561



18.9574, 13.9479, 9.1589



10.9392, 13.9479, 4.8483



8.8320, 13.9479, 23.4077

Rectangle

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



15.8812, 13.9479, 34.6561



19.4802, 13.9479, 19.3787



10.9392, 13.9479, 4.8483



8.5243, 13.9479, 11.6479

Sweetspot

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



15.8817, 13.9484, 34.6564



47.3151, 47.8578, 65.4871



23.5194, 29.5483, 37.2650



10.4303, 10.5018, 14.7210



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.



15.8817, 13.9484, 34.6564



23.9754, 19.5908, 61.2612



19.7581, 15.9468, 34.8378



6.3039, 6.4451, 8.3185



5.0014, 2.0073, 26.0311



0.0947, 0.0386, 0.4657

Inverse Universe

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



24.7519, 18.5411, 34.1727



42.1811, 29.0196, 60.1499



23.4277, 30.2277, 16.1555



6.8948, 6.7508, 8.2969



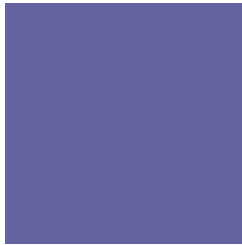
15.8890, 7.6602, 24.7304



0.2867, 0.1380, 0.4560

Previews

White Background



This preview shows how the XYZ color 15.8812, 13.9479, 34.6561 looks on a white background.

Color Contrast Check

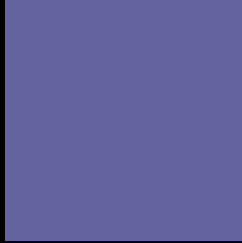
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8812, 13.9479, 34.6561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

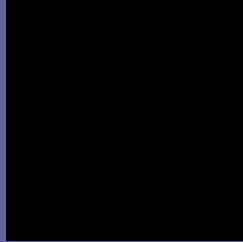
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8812, 13.9479, 34.6561

Background



This preview shows how black text looks on a background with the XYZ color 15.8812, 13.9479, 34.6561.

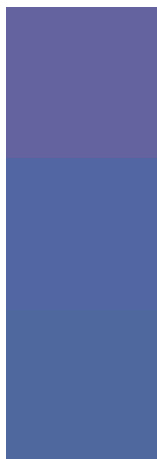


This preview shows how white text looks on a background with the XYZ color 15.8812, 13.9479,

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

15.8812, 13.9479, 34.6561

Protanopia

14.8419, 13.9409, 36.5589

Deuteranopia

14.3463, 14.0315, 34.3000



Tritanopia

12.6265, 13.9500, 18.5501

Trichromacy



Original Color

15.8812, 13.9479, 34.6561

Protanomaly

15.2951, 14.0398, 36.0862

Deuteranomaly

14.8534, 13.9976, 34.2667

Tritanomaly

13.7313, 13.9463, 23.7980

Monochromacy



Original Color

15.8812, 13.9479, 34.6561

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2608, 14.1242, 21.3767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8812, 13.9479, 34.6561 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(100, 98, 159)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 159)  
}
```

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(100, 98, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.8812, 13.9479, 34.6561 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(100, 98, 159) }
```


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

```
.border{ border-color:rgb(100, 98, 159) }
```

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

Here you see how a box with a 4 pixel rgb(100, 98, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 159);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8812, 13.9479, 34.6561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 159) }
```

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

```
.background{ background-color: rgb(100, 98,  
159) }
```

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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