

Converting Colors

XYZ(16.0018, 15.0722, 36.3802)

Have a look what the booklet for
XYZ(16.0018, 15.0722, 36.3802)
contains.

XYZ(15.9900, 15.1408, 36.2621)	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(15.9900, 15.1408,
36.2621)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6AA2
RGB	91, 106, 162
RGB Percent	36%, 42%, 64%
CMY	0.6431, 0.5843, 0.3647
CMYK	0.44, 0.35, 0.00, 0.36
HSL	227°, 28%, 50%
HSV	227°, 44%, 64%
XYZ	15.9900, 15.1408, 36.2621
YIQ	107.8990, -26.9160, 14.2360

Conversions

Conversions Part 2

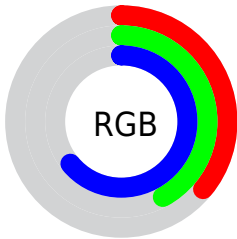
Format	Color
R_{YB}	91, 103, 162
Decimal	5991074
CIE _{Lab}	45.83, 9.53, -32.03
CIE _{LCh}	46, 33.420, 286.562
Yxy	15.1408, 0.2373, 0.2247
Android (android.graphics.Color)	4284181154 (0xFF5B6AA2)
YUV	107.8990, 26.6718, -14.8204
Hunter-Lab	38.9112, 5.2575, -28.0157

Details

The XYZ color **15.9900, 15.1408, 36.2621** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2230, 29.3051, 14.1199**, and the grayscale version is **14.1591, 14.8965, 16.2223**.

A 20% lighter version of the original color is **36.0830, 35.0530, 70.5098**, and **5.1778, 4.6658, 15.3795** is the 20% darker color. If you saturate the color by 10%, you get **13.3419, 11.9646, 35.7889**, and if you desaturate by 10%, it is **19.1801, 18.8883, 36.8176**.

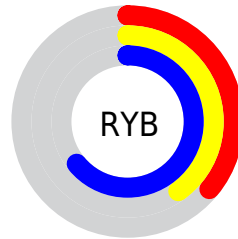
Distribution



Red (36%)

Green (42%)

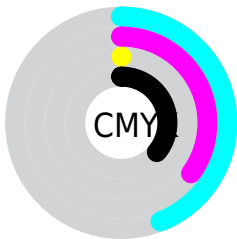
Blue (64%)



Red (36%)

Yellow (40%)

Blue (64%)

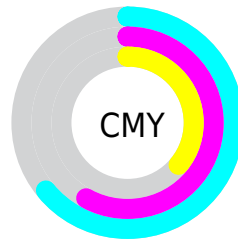


Cyan (44%)

Magenta (35%)

Yellow (0%)

Black (36%)



Cyan (64%)

Magenta (58%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9900, 15.1408, 36.2621 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 15.9900, 15.1408, 36.2621 by changing the saturation by 10% instead.

■ 15.9900, 15.1408,
36.2621

■ 15.9900, 15.1408,
36.2621

222.5543,
224.2169, 345.1767

■ 9.6079, 8.9183,
24.3454

■ 36.1384, 35.1000,
70.6100

■ 5.2000, 4.6879,
15.3755

■ 50.6354, 49.6054,
93.8783

■ 2.4011, 2.0653,
8.9338

■ 68.5681, 67.6406,
121.7675

■ 0.8456, 0.6450,
4.6018

■ 90.3019, 89.5900,
154.6962

■ 0.0000, 0.0000,
1.9610

116.2020,
115.8379, 193.0830

■ 0.0000, 0.0000,
0.5311

146.6339,

■ 0.0000, 0.0000,

146.7688, 237.3463

0.0000

181.9628,
182.7670, 287.9046

■ 15.9900, 15.1408,
36.2621

■ 15.9900, 15.1408,
36.2621

■ 13.3419, 11.9646,
35.7889

■ 19.1801, 18.8883,
36.8176

■ 11.2033, 9.3292,
35.3929

■ 22.9392, 23.2321,
37.4579

■ 9.5402, 7.2036,
35.0703

■ 27.2942, 28.1979,
38.1869

■ 8.3138, 5.5529,
34.8163

■ 32.2700, 33.8091,
39.0077

■ 7.4788, 4.3371,
34.6257

■ 37.8899, 40.0882,
39.9235

■ 7.1000, 3.7655,
34.5353

■ 44.1761, 47.0563,
40.9371

■ 51.1496, 54.7336,
42.0515

■ 58.8305, 63.1398,
43.2692

■ 67.2382, 72.2933,
44.5929

Harmonies

Analogous

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



13.1689, 15.1408, 36.6333



15.9900, 15.1408, 36.2621



18.6911, 15.1408, 29.6106

Triad

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



15.9900, 15.1408, 36.2621



18.4437, 15.1408, 7.5954



9.7411, 15.1408, 13.1384

Complementary

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



15.9900, 15.1408, 36.2621



27.2230, 29.3051, 14.1199

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.



10.8067, 15.1408, 7.9575



15.9900, 15.1408, 36.2621



15.6862, 15.1408, 5.5358

Square

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



15.9900, 15.1408, 36.2621



20.2293, 15.1408, 12.4491



12.9021, 15.1408, 5.6422



9.8001, 15.1408, 21.3124

Rectangle

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



15.9900, 15.1408, 36.2621



19.9518, 15.1408, 23.4545



12.9021, 15.1408, 5.6422



9.9731, 15.1408, 11.0553

Sweetspot

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



15.9906, 15.1414, 36.2625



50.0414, 51.7473, 69.4069



22.4717, 30.1598, 32.0838



10.8379, 11.1671, 15.5218



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.



15.9906, 15.1414, 36.2625



24.1416, 21.6240, 64.9576



16.8336, 13.4787, 35.8971



6.8161, 7.0912, 8.9126



5.6202, 3.0198, 27.2164



0.1489, 0.1250, 0.5821

Inverse Universe

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



21.2434, 16.2048, 15.6443



35.1435, 24.3935, 21.6516



25.9445, 32.3368, 14.7725



7.1322, 7.1093, 7.6824



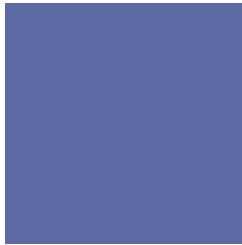
11.9823, 6.1490, 1.8314



0.2673, 0.1354, 0.1203

Previews

White Background



This preview shows how the XYZ color 15.9900, 15.1408, 36.2621 looks on a white background.

Color Contrast Check

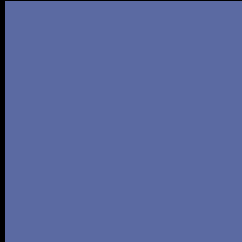
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9900, 15.1408, 36.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

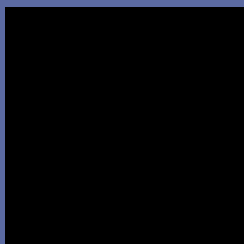
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

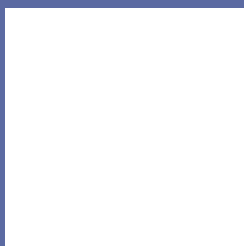
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9900, 15.1408, 36.2621

Background



This preview shows how black text looks on a background with the XYZ color 15.9900, 15.1408, 36.2621.

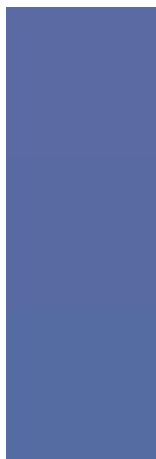


This preview shows how white text looks on a background with the XYZ color 15.9900, 15.1408,

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

15.9900, 15.1408, 36.2621

Protanopia

15.7954, 15.0406, 36.2530

Deuteranopia

15.5403, 15.2186, 36.3008



Tritanopia

12.9007, 15.1702, 20.9871

Trichromacy



Original Color

15.9900, 15.1408, 36.2621

Protanomaly

15.8921, 15.0904, 36.2575

Deuteranomaly

15.7098, 15.1503, 36.2787

Tritanomaly

13.8560, 15.0598, 25.8435

Monochromacy



Original Color

15.9900, 15.1408, 36.2621

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.6335, 14.8987, 22.5265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9900, 15.1408, 36.2621 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(91, 106, 162)` looks like.

```
.text, #text, p{  
    color:rgb(91, 106, 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(91, 106, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 106, 162) }
```

Border

The CSS property to change the border of an element to XYZ 15.9900, 15.1408, 36.2621 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(91, 106, 162) }
```


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

```
.border{ border-color:rgb(91, 106, 162) }
```

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

Here you see how a box with a 4 pixel rgb(91, 106, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 106, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 106, 162);  
box-shadow:4px 4px 4px 4px rgb(91, 106,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9900, 15.1408, 36.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 106, 162) }
```

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

```
.background{ background-color: rgb(91, 106,  
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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