

Converting Colors

XYZ(15.5412, 16.3599, 31.7520)

Have a look what the booklet for
XYZ(15.5412, 16.3599, 31.7520)
contains.

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Color

**XYZ(15.4410, 16.2474,
31.6004)**

Conversions

Conversions Part 1

Format	Color
Hex	567297
RGB	86, 114, 151
RGB Percent	34%, 45%, 59%
CMY	0.6627, 0.5529, 0.4078
CMYK	0.43, 0.25, 0.00, 0.41
HSL	214°, 27%, 46%
HSV	214°, 43%, 59%
XYZ	15.4410, 16.2474, 31.6004
YIQ	109.8460, -28.5650, 5.5710

Conversions

Conversions Part 2

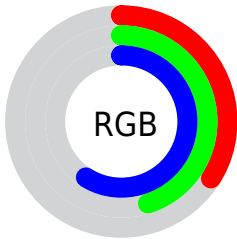
Format	Color
R _Y B	86, 106, 151
Decimal	5665431
CIE Lab	47.30, -0.01, -23.28
CIE LCh	47, 23.283, 269.976
Yxy	16.2474, 0.2440, 0.2567
Android (android.graphics.Color)	4283855511 (0xFF567297)
YUV	109.8460, 20.2889, -20.9129
Hunter-Lab	40.3081, -2.1603, -18.2661

Details

The XYZ color **15.4410, 16.2474, 31.6004** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.5257, 21.4178, 11.8043**, and the grayscale version is **14.7270, 15.4939, 16.8729**.

A 20% lighter version of the original color is **35.1369, 37.0835, 63.0635**, and **4.9416, 5.1739, 12.7948** is the 20% darker color. If you saturate the color by 10%, you get **13.2705, 13.7564, 31.2343**, and if you desaturate by 10%, it is **17.9975, 19.0733, 32.0114**.

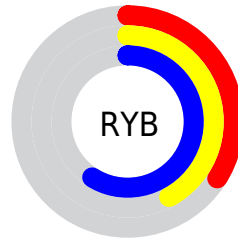
Distribution



Red (34%)

Green (45%)

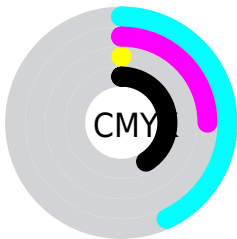
Blue (59%)



Red (34%)

Yellow (42%)

Blue (59%)

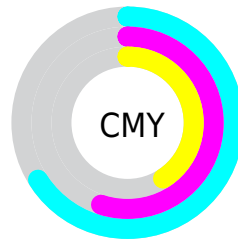


Cyan (43%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (66%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4410, 16.2474, 31.6004 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 15.4410, 16.2474, 31.6004 by changing the saturation by 10% instead.

■ 15.4410, 16.2474,
31.6004

■ 15.4410, 16.2474,
31.6004

219.3560,
230.7972, 323.7313

■ 9.2178, 9.6994,
20.7942

■ 35.1903, 37.0272,
63.2747

■ 4.9418, 5.2001,
12.7839

■ 49.4472, 52.0277,
84.9799

■ 2.2475, 2.3651,
7.1509

■ 67.1126, 70.6146,
111.1552

■ 0.7676, 0.8079,
3.4768

■ 88.5520, 93.1721,
142.2190

■ 0.0000, 0.0000,
1.3429

■ 114.1306,
120.0848, 178.5900

■ 0.0000, 0.0000,
0.0966

144.2140,

■ 0.0000, 0.0000,

151.7369, 220.6867

0.0000

179.1673,
188.5129, 268.9277

■ 15.4410, 16.2474,
31.6004

■ 15.4410, 16.2474,
31.6004

■ 13.2705, 13.7564,
31.2343

■ 17.9975, 19.0733,
32.0114

■ 11.4631, 11.5839,
30.9102

■ 20.9577, 22.2458,
32.4677

■ 9.9960, 9.7146,
30.6267

■ 24.3403, 25.7783,
32.9713

■ 8.8428, 8.1306,
30.3818

■ 28.1621, 29.6829,
33.5235

■ 7.9723, 6.8117,
30.1731

■ 32.4391, 33.9709,
34.1258

■ 7.4789, 6.0202,
30.0463

■ 37.1864, 38.6532,
34.7793

■ 42.4183, 43.7402,
35.4855

■ 48.1486, 49.2421,
36.2454

■ 54.3905, 55.1683,
37.0603

Harmonies

Analogous

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



13.5478, 16.2474, 29.4160



15.4410, 16.2474, 31.6004



17.5034, 16.2474, 29.4227

Triad

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



15.4410, 16.2474, 31.6004



19.1267, 16.2474, 12.6152



12.2664, 16.2474, 12.6086

Complementary

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



15.4410, 16.2474, 31.6004



21.5257, 21.4178, 11.8043

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.



13.5504, 16.2474, 9.5836



15.4410, 16.2474, 31.6004



17.5065, 16.2474, 9.5868

Square

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



15.4410, 16.2474, 31.6004



19.7431, 16.2474, 17.6954



15.4443, 16.2474, 8.6120



11.8170, 16.2474, 17.6859

Rectangle

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



15.4410, 16.2474, 31.6004



18.6723, 16.2474, 26.0170



15.4443, 16.2474, 8.6120



12.6087, 16.2474, 11.3624

Sweetspot

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



15.4415, 16.2480, 31.6008



43.4512, 46.0219, 59.0267



18.4696, 25.5380, 22.6407



9.5780, 10.1517, 13.3722



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.4415, 16.2480, 31.6008



23.7667, 24.6372, 55.9365



13.1633, 11.0811, 30.7235



6.0924, 6.4421, 7.8513



6.3897, 5.1761, 25.5700



0.1307, 0.1476, 0.3940

Inverse Universe

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



19.1281, 14.4504, 17.7012



31.4850, 21.6740, 26.6561



24.7197, 28.9777, 13.0952



6.3137, 6.2647, 7.0322



11.6840, 5.9278, 4.8610



0.1924, 0.0957, 0.1660

Previews

White Background



This preview shows how the XYZ color 15.4410, 16.2474, 31.6004 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 15.4410, 16.2474, 31.6004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

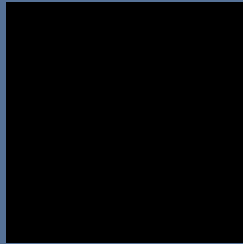
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

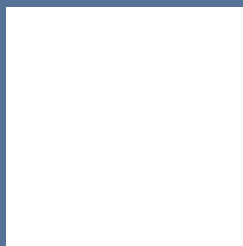
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4410, 16.2474, 31.6004

Background



This preview shows how black text looks on a background with the XYZ color 15.4410, 16.2474, 31.6004.

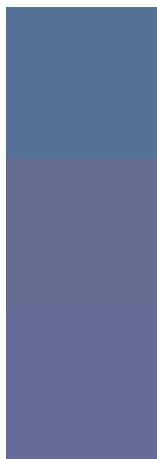


This preview shows how white text looks on a background with the XYZ color 15.4410, 16.2474,

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

15.4410, 16.2474, 31.6004

Protanopia

16.2881, 16.0567, 30.2577

Deuteranopia

16.4990, 16.1282, 31.9492



Tritanopia

13.6830, 16.2209, 22.8318

Trichromacy



Original Color

15.4410, 16.2474, 31.6004

Protanomaly

15.9331, 16.0256, 30.6873

Deuteranomaly

16.0713, 16.0688, 31.9603

Tritanomaly

14.2849, 16.2940, 25.6847

Monochromacy



Original Color

15.4410, 16.2474, 31.6004

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7529, 15.6162, 21.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4410, 16.2474, 31.6004 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(86, 114, 151)` looks like.

```
.text, #text, p{  
    color:rgb(86, 114, 151)  
}
```

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(86, 114, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 114, 151) }
```

Border

The CSS property to change the border of an element to XYZ 15.4410, 16.2474, 31.6004 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(86, 114, 151) }
```


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

```
.border{ border-color:rgb(86, 114, 151) }
```

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

Here you see how a box with a 4 pixel rgb(86, 114, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 114, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 114, 151);  
box-shadow:4px 4px 4px 4px rgb(86, 114,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4410, 16.2474, 31.6004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 114, 151) }
```

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

```
.background{ background-color: rgb(86, 114,  
151) }
```

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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