

Converting Colors

XYZ(16.5063, 14.2565, 54.9574)

Have a look what the booklet for
XYZ(16.5063, 14.2565, 54.9574)
contains.

XYZ(16.4766, 14.2381, 54.7031)	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(16.4766, 14.2381,
54.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	3A65C5
RGB	58, 101, 197
RGB Percent	23%, 40%, 77%
CMY	0.7725, 0.6039, 0.2274
CMYK	0.71, 0.49, 0.00, 0.23
HSL	221°, 55%, 50%
HSV	221°, 71%, 77%
XYZ	16.4766, 14.2381, 54.7031
YIQ	99.0870, -56.4440, 20.7400

Conversions

Conversions Part 2

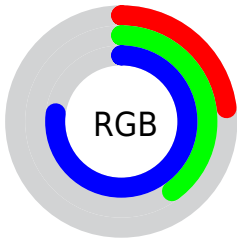
Format	Color
R_{YB}	58, 91, 197
Decimal	3827141
CIE _{Lab}	44.57, 17.70, -54.56
CIE _{LCh}	45, 57.359, 287.977
Yxy	14.2381, 0.1929, 0.1667
Android (android.graphics.Color)	4282017221 (0xFF3A65C5)
YUV	99.0870, 48.2711, -36.0333
Hunter-Lab	37.7334, 11.9100, -59.5409

Details

The XYZ color **16.4766, 14.2381, 54.7031** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **35.3469, 35.2898, 8.9527**, and the grayscale version is **11.7748, 12.3881, 13.4906**.

A 20% lighter version of the original color is **36.8412, 33.3539, 98.2621**, and **6.2487, 4.6854, 26.1662** is the 20% darker color. If you saturate the color by 10%, you get **14.3290, 11.3296, 54.2552**, and if you desaturate by 10%, it is **19.2822, 17.8107, 55.2451**.

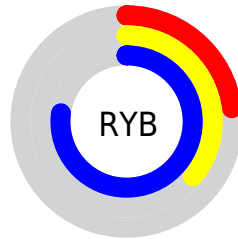
Distribution



Red (23%)

Green (40%)

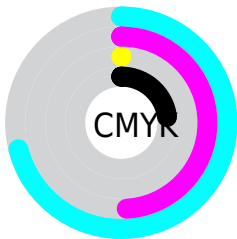
Blue (77%)



Red (23%)

Yellow (36%)

Blue (77%)

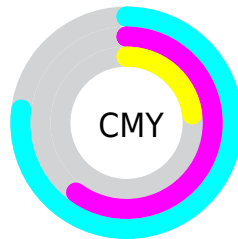


Cyan (71%)

Magenta (49%)

Yellow (0%)

Black (23%)



Cyan (77%)

Magenta (60%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4766, 14.2381, 54.7031 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 16.4766, 14.2381, 54.7031 by changing the saturation by 10% instead.

■ 16.4766, 14.2381,
54.7031

■ 16.4766, 14.2381,
54.7031

225.3534,
218.7071, 422.0357

■ 9.9550, 8.2865,
38.7671

■ 36.9745, 33.5109,
98.5726

■ 5.4312, 4.2788,
26.2721

■ 51.6814, 47.6009,
127.3431

■ 2.5397, 1.8307,
16.7997

■ 69.8476, 65.1724,
161.2290

■ 0.9153, 0.5062,
9.9314

■ 91.8383, 86.6098,
200.6485

■ 0.0000, 0.0000,
5.2485

■ 118.0188,
112.2976, 246.0205

■ 0.0000, 0.0000,
2.3325

148.7546,

■ 0.0000, 0.0000,

142.6202, 297.7633

0.7493

184.4110,
177.9619, 356.2955

■ 0.0000, 0.0000,
0.0000

■ 16.4766, 14.2381,
54.7031

■ 16.4766, 14.2381,
54.7031

■ 14.3290, 11.3296,
54.2552

■ 19.2822, 17.8107,
55.2451

■ 12.7737, 9.0350,
53.8943

■ 22.7986, 22.0893,
55.8857

■ 11.7434, 7.3618,
53.6256

■ 27.0751, 27.1132,
56.6300

■ 32.1557, 32.9184,
57.4827

■ 38.0812, 39.5383,
58.4482

■ 44.8891, 47.0042,
59.5304

■ 52.6148, 55.3458,
60.7333

■ 61.2918, 64.5912,
62.0605

■ 70.9516, 74.7671,
63.5156

Harmonies

Analogous

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



11.7588, 14.2381, 56.3104



16.4766, 14.2381, 54.7031



21.2990, 14.2381, 39.6601

Triad

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



16.4766, 14.2381, 54.7031



20.4248, 14.2381, 3.2163



6.5495, 14.2381, 10.7676

Complementary

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



16.4766, 14.2381, 54.7031



35.3469, 35.2898, 8.9527

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.



7.9295, 14.2381, 3.9197



16.4766, 14.2381, 54.7031



15.4771, 14.2381, 1.5369

Square

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



16.4766, 14.2381, 54.7031



23.9129, 14.2381, 8.8799



10.9625, 14.2381, 1.6887



6.6985, 14.2381, 24.7987

Rectangle

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



16.4766, 14.2381, 54.7031



23.5996, 14.2381, 27.1892



10.9625, 14.2381, 1.6887



6.8341, 14.2381, 7.7618

Sweetspot

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



16.4772, 14.2385, 54.7035



67.3335, 69.8500, 104.5413



27.4604, 43.1320, 37.0090



13.7490, 14.2140, 22.2689



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.4772, 14.2385, 54.7035



23.9402, 17.8000, 96.7817



15.2022, 8.9196, 53.7440



10.3199, 10.8138, 13.4608



7.7900, 4.9740, 35.2939



0.4340, 0.3659, 1.6929

Inverse Universe

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



26.8886, 15.8369, 13.9517



44.5061, 23.6882, 15.6706



37.6381, 48.9546, 11.4695



10.7667, 10.6901, 11.7548



15.7314, 8.0421, 3.7954



0.7778, 0.3940, 0.3529

Previews

White Background



This preview shows how the XYZ color 16.4766, 14.2381, 54.7031 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 16.4766, 14.2381, 54.7031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

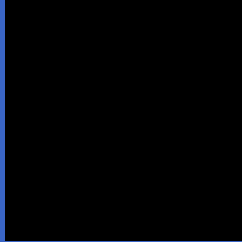
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4766, 14.2381, 54.7031

Background



This preview shows how black text looks on a background with the XYZ color 16.4766, 14.2381, 54.7031.



This preview shows how white text looks on a background with the XYZ color 16.4766, 14.2381,

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

16.4766, 14.2381, 54.7031

Protanopia

16.4126, 14.3368, 55.3283

Deuteranopia

14.3348, 14.1462, 49.5519



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

16.4766, 14.2381, 54.7031

Protanomaly

16.5200, 14.3922, 55.3334

Deuteranomaly

14.7648, 14.0242, 51.2190

Tritanomaly

11.5796, 13.7627, 31.3243

Monochromacy



Original Color

16.4766, 14.2381, 54.7031

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5865, 12.7484, 24.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4766, 14.2381, 54.7031 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(58, 101, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 101, 197)  
}
```

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(58, 101, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 101, 197) }
```

Border

The CSS property to change the border of an element to XYZ 16.4766, 14.2381, 54.7031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

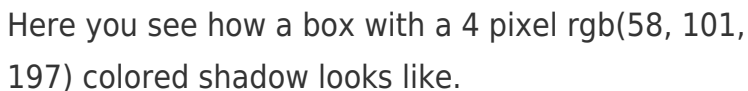
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 101, 197) }
```


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

```
.border{ border-color:rgb(58, 101, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(58, 101, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 101, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 101, 197); box-shadow:4px 4px 4px 4px rgb(58, 101, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4766, 14.2381, 54.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 101, 197) }
```

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

```
.background{ background-color: rgb(58, 101,  
197) }
```

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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