

Converting Colors

XYZ(15.3456, 13.5179, 57.3476)

Have a look what the booklet for
XYZ(15.3456, 13.5179, 57.3476)
contains.

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Color

**XYZ(15.2514, 13.4096,
57.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	0C64C9
RGB	12, 100, 201
RGB Percent	5%, 39%, 79%
CMY	0.9528, 0.6078, 0.2118
CMYK	0.94, 0.50, 0.00, 0.21
HSL	212°, 89%, 42%
HSV	212°, 94%, 79%
XYZ	15.2514, 13.4096, 57.0428
YIQ	85.2020, -84.8690, 12.7550

Conversions

Conversions Part 2

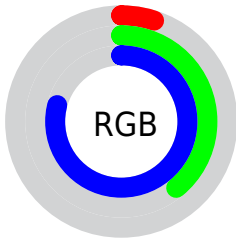
Format	Color
R_{YB}	12, 72, 201
Decimal	812233
CIE _{Lab}	43.37, 15.78, -58.86
CIE _{LCh}	43, 60.939, 285.008
Yxy	13.4096, 0.1780, 0.1565
Android (android.graphics.Color)	4279002313 (0xFF0C64C9)
YUV	85.2020, 57.0884, -64.1982
Hunter-Lab	36.6191, 10.2595, -66.7246

Details

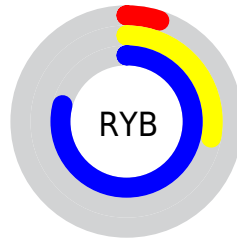
The XYZ color **15.2514, 13.4096, 57.0428** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.0634, 24.2627, 3.4477**, and the grayscale version is **8.5763, 9.0230, 9.8260**.

A 20% lighter version of the original color is **34.2119, 31.7420, 98.9314**, and **6.5545, 4.8077, 27.7766** is the 20% darker color. If you saturate the color by 10%, you get **14.5070, 12.1456, 56.8384**, and if you desaturate by 10%, it is **16.7991, 15.8394, 57.4306**.

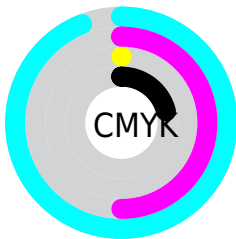
Distribution



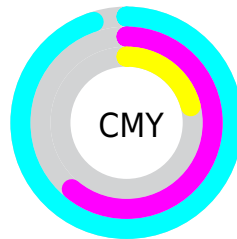
- Red (5%)
- Green (39%)
- Blue (79%)



- Red (5%)
- Yellow (28%)
- Blue (79%)



- Cyan (94%)
- Magenta (50%)
- Yellow (0%)
- Black (21%)



- Cyan (95%)
- Magenta (61%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2514, 13.4096, 57.0428 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 15.2514, 13.4096, 57.0428 by changing the saturation by 10% instead.

■ 15.2514, 13.4096,
57.0428

■ 15.2514, 13.4096,
57.0428

218.2412,
213.5263, 431.1079

■ 9.0835, 7.7112,
40.6300

■ 34.8617, 32.0377,
102.0286

■ 4.8532, 3.9107,
27.7126

■ 49.0347, 45.7362,
131.4387

■ 2.1953, 1.6237,
17.8720

■ 66.6068, 62.8702,
166.0183

■ 0.7402, 0.3735,
10.6896

■ 87.9434, 83.8241,
206.1859

■ 0.0000, 0.0000,
5.7470

■ 113.4098,
108.9822, 252.3602

■ 0.0000, 0.0000,
2.6256

143.3713,

■ 0.0000, 0.0000,

138.7291, 304.9596

0.9056

178.1933,
173.4490, 364.4026

■ 0.0000, 0.0000,
0.0000

■ 15.2514, 13.4096,
57.0428

■ 15.2514, 13.4096,
57.0428

■ 14.5070, 12.1456,
56.8384

■ 16.7991, 15.8394,
57.4306

■ 18.8678, 18.7469,
57.8827

■ 21.5230, 22.1730,
58.4041

■ 24.8187, 26.1521,
58.9984

■ 28.8024, 30.7152,
59.6692

■ 33.5165, 35.8903,
60.4197

■ 38.9998, 41.7033,
61.2527

■ 45.2882, 48.1785,
62.1711

■ 52.4152, 55.3386,
63.1775

Harmonies

Analogous

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



10.5323, 13.4096, 57.0473



15.2514, 13.4096, 57.0428



20.3293, 13.4096, 41.8834

Triad

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



15.2514, 13.4096, 57.0428



20.3270, 13.4096, 2.8343



5.8185, 13.4096, 8.8409

Complementary

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



15.2514, 13.4096, 57.0428



30.0634, 24.2627, 3.4477

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.



7.3300, 13.4096, 2.8359



15.2514, 13.4096, 57.0428



15.2487, 13.4096, 1.1207

Square

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



15.2514, 13.4096, 57.0428



23.7171, 13.4096, 8.8361



10.5302, 13.4096, 1.1210



5.8189, 13.4096, 22.4471

Rectangle

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



15.2514, 13.4096, 57.0428



22.9066, 13.4096, 28.6203



10.5302, 13.4096, 1.1210



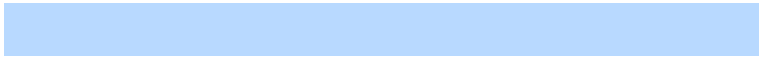
6.1462, 13.4096, 6.1227

Sweetspot

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



15.2520, 13.4100, 57.0432



62.4924, 66.9028, 104.2276



24.0093, 43.0401, 22.6112



12.5166, 13.4043, 22.1775



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.



15.2520, 13.4100, 57.0432



24.6116, 20.3433, 97.2372



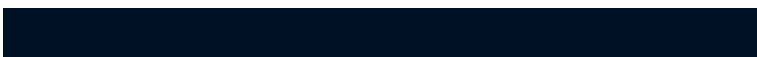
10.9304, 4.6128, 55.5729



10.4568, 11.0877, 13.5065



9.2112, 7.8163, 35.7676



0.5085, 0.5147, 1.7177

Inverse Universe

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



26.5197, 13.6015, 13.2844



44.5520, 22.5848, 19.3708



43.3820, 53.3626, 8.3625



10.8359, 10.7177, 12.1190



16.4487, 8.3291, 7.5728



0.8153, 0.4090, 0.5508

Previews

White Background



This preview shows how the XYZ color 15.2514, 13.4096, 57.0428 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 15.2514, 13.4096, 57.0428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

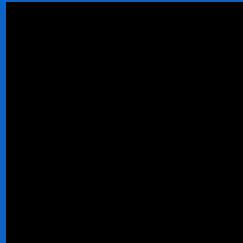
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2514, 13.4096, 57.0428

Background



This preview shows how black text looks on a background with the XYZ color 15.2514, 13.4096, 57.0428.



This preview shows how white text looks on a background with the XYZ color 15.2514, 13.4096,

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

15.2514, 13.4096, 57.0428

Protanopia

15.6457, 13.4983, 55.8136

Deuteranopia

13.2908, 13.2368, 45.5705



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

15.2514, 13.4096, 57.0428

Protanomaly

15.4226, 13.3698, 56.4114

Deuteranomaly

13.9774, 13.3571, 49.4185

Tritanomaly

10.9177, 12.9529, 30.7789

Monochromacy



Original Color

15.2514, 13.4096, 57.0428

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.2319, 9.7442, 21.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2514, 13.4096, 57.0428 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(12, 100, 201)` looks like.

```
.text, #text, p{  
    color:rgb(12, 100, 201)  
}
```

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(12, 100, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 100, 201) }
```

Border

The CSS property to change the border of an element to XYZ 15.2514, 13.4096, 57.0428 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(12, 100, 201) }
```


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

```
.border{ border-color:rgb(12, 100, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 100, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 100, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 100, 201);  
box-shadow:4px 4px 4px 4px rgb(12, 100,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2514, 13.4096, 57.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 100, 201) }
```

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

```
.background{ background-color: rgb(12, 100,  
201) }
```

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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