

Converting Colors

XYZ(18.5879, 14.9434, 74.0039)

Have a look what the booklet for
XYZ(18.5879, 14.9434, 74.0039)
contains.

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Color

**XYZ(18.5328, 14.8765,
73.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	0C65E2
RGB	12, 101, 226
RGB Percent	5%, 40%, 89%
CMY	0.9527, 0.6039, 0.1137
CMYK	0.95, 0.55, 0.00, 0.11
HSL	215°, 90%, 47%
HSV	215°, 95%, 89%
XYZ	18.5328, 14.8765, 73.8462
YIQ	88.6390, -93.1690, 20.0070

Conversions

Conversions Part 2

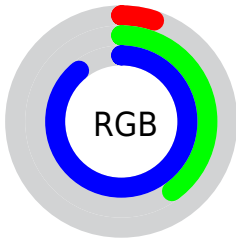
Format	Color
R _Y B	12, 75, 226
Decimal	812514
CIE Lab	45.46, 25.00, -69.75
CIE LCh	45, 74.092, 289.723
Yxy	14.8765, 0.1728, 0.1387
Android (android.graphics.Color)	4279002594 (0xFF0C65E2)
YUV	88.6390, 67.7190, -67.2124
Hunter-Lab	38.5701, 18.2711, -86.5175

Details

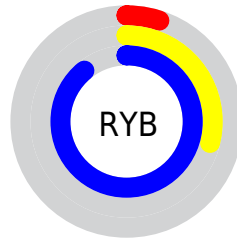
The XYZ color **18.5328, 14.8765, 73.8462** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.3846, 34.1028, 4.8036**, and the grayscale version is **9.2902, 9.7740, 10.6438**.

A 20% lighter version of the original color is **35.3010, 32.5414, 99.0283**, and **8.6699, 5.7306, 38.6794** is the 20% darker color. If you saturate the color by 10%, you get **17.7264, 13.4886, 73.6212**, and if you desaturate by 10%, it is **20.4494, 17.9230, 74.3336**.

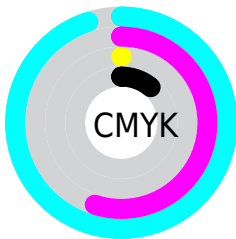
Distribution



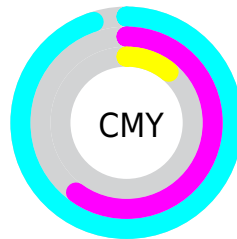
- Red (5%)
- Green (40%)
- Blue (89%)



- Red (5%)
- Yellow (29%)
- Blue (89%)



- Cyan (95%)
- Magenta (55%)
- Yellow (0%)
- Black (11%)



- Cyan (95%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5328, 14.8765, 73.8462 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 18.5328, 14.8765, 73.8462 by changing the saturation by 10% instead.

■ 18.5328, 14.8765,
73.8462

■ 18.5328, 14.8765,
73.8462

236.8452,
222.6175, 493.0916

■ 11.4352, 8.7328,
54.1721

■ 40.4661, 34.6364,
126.4098

■ 6.4298, 4.5673,
38.3452

■ 56.0326, 49.0213,
160.1364

■ 3.1513, 1.9957,
25.9468

■ 75.1526, 66.9221,
199.3843

■ 1.2343, 0.6050,
16.5584

■ 98.1917, 88.7231,
244.5720

■ 0.1332, 0.0000,
9.7616

■ 125.5152,
114.8087, 296.1180

■ 0.0000, 0.0000,
5.1376

157.4883,

■ 0.0000, 0.0000,

145.5634, 354.4409

2.2681

194.4766,
181.3716, 419.9593

■ 0.0000, 0.0000,
0.7133

■ 0.0000, 0.0000,
0.0000

■ 18.5328, 14.8765,
73.8462

■ 18.5328, 14.8765,
73.8462

■ 17.7264, 13.4886,
73.6212

■ 20.4494, 17.9230,
74.3336

■ 23.0717, 21.6529,
74.9153

■ 26.4915, 26.1260,
75.5985

■ 30.7843, 31.3934,
76.3890

■ 36.0158, 37.5006,
77.2920

■ 42.2450, 44.4888,
78.3126

■ 49.5257, 52.3962,
79.4551

■ 57.9076, 61.2585,
80.7240

■ 67.4370, 71.1094,
82.1231

Harmonies

Analogous

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



12.1270, 14.8765, 77.8993



18.5328, 14.8765, 73.8462



25.2587, 14.8765, 49.5860

Triad

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



18.5328, 14.8765, 73.8462



23.2792, 14.8765, 1.6454



5.3844, 14.8765, 10.8611

Complementary

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



18.5328, 14.8765, 73.8462



40.3846, 34.1028, 4.8036

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.



6.8828, 14.8765, 2.6657



18.5328, 14.8765, 73.8462



16.3635, 14.8765, 0.3834

Square

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



18.5328, 14.8765, 73.8462



28.5046, 14.8765, 7.2250



10.5022, 14.8765, 0.6041



5.6544, 14.8765, 30.5814

Rectangle

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



18.5328, 14.8765, 73.8462



28.4420, 14.8765, 31.0559



10.5022, 14.8765, 0.6041



5.6757, 14.8765, 7.0461

Sweetspot

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



18.5336, 14.8769, 73.8466



61.5871, 65.0922, 103.9258



31.8540, 56.2736, 32.7960



12.3013, 12.9737, 22.1058



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.



18.5336, 14.8769, 73.8466



23.2053, 17.5306, 96.7684



14.3917, 6.0296, 72.3572



13.4178, 14.1748, 17.4165



10.2238, 7.9172, 42.0377



0.7955, 0.7225, 2.9428

Inverse Universe

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



33.8453, 17.3727, 13.8812



43.8422, 22.3009, 15.6328



53.3240, 67.8545, 10.6364



13.9424, 13.7946, 15.4667



19.1007, 9.7073, 7.1961



1.3678, 0.6904, 0.7297

Previews

White Background



This preview shows how the XYZ color 18.5328, 14.8765, 73.8462 looks on a white background.

Color Contrast Check

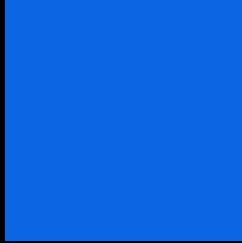
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5328, 14.8765, 73.8462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

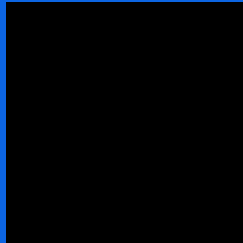
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

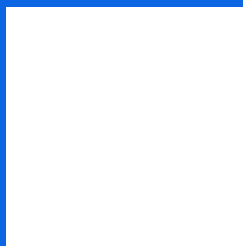
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5328, 14.8765, 73.8462

Background



This preview shows how black text looks on a background with the XYZ color 18.5328, 14.8765, 73.8462.



This preview shows how white text looks on a background with the XYZ color 18.5328, 14.8765,

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

18.5328, 14.8765, 73.8462

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

18.5328, 14.8765, 73.8462

Protanomaly

17.9863, 14.8025, 71.0164

Deuteranomaly

15.9684, 14.8055, 57.8932

Tritanomaly

12.3658, 14.2228, 36.2759

Monochromacy



Original Color

18.5328, 14.8765, 73.8462

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.4990, 10.6849, 25.9351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5328, 14.8765, 73.8462 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, 101, 226)` looks like.

```
.text, #text, p{  
    color:rgb(12, 101, 226)  
}
```

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, 101, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 101, 226) }
```

Border

The CSS property to change the border of an element to XYZ 18.5328, 14.8765, 73.8462 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, 101, 226) }
```


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

```
.border{ border-color:rgb(12, 101, 226) }
```

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

Here you see how a box with a 4 pixel rgb(12, 101, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 101, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 101, 226);  
box-shadow:4px 4px 4px 4px rgb(12, 101,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5328, 14.8765, 73.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 101, 226) }
```

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

```
.background{ background-color: rgb(12, 101,  
226) }
```

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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