

Converting Colors

XYZ(15.9508, 13.2834, 75.8213)

Have a look what the booklet for
XYZ(15.9508, 13.2834, 75.8213)
contains.

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Color

**XYZ(18.6047, 14.5808,
75.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	0063E5
RGB	0, 99, 229
RGB Percent	0%, 39%, 90%
CMY	0.9998, 0.6118, 0.1020
CMYK	1.00, 0.57, 0.00, 0.10
HSL	214°, 100%, 45%
HSV	214°, 100%, 90%
XYZ	18.6047, 14.5808, 75.9625
YIQ	84.2190, -100.7340, 19.4420

Conversions

Conversions Part 2

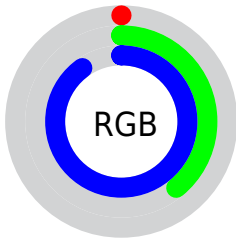
Format	Color
RYB	0, 69, 229
Decimal	25573
CIELab	45.05, 27.15, -72.12
CIELCh	45, 77.055, 290.627
Yxy	14.5808, 0.1705, 0.1336
Android (android.graphics.Color)	4278215653 (0xFF0063E5)
YUV	84.2190, 71.3770, -73.8601
Hunter-Lab	38.1848, 20.1467, -91.2185

Details

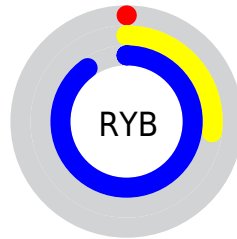
The XYZ color **18.6047, 14.5808, 75.9625** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **40.3046, 32.6403, 4.1777**, and the grayscale version is **8.3482, 8.7829, 9.5646**.

A 20% lighter version of the original color is **34.7413, 31.7791, 98.9106**, and **8.7656, 5.6169, 39.6519** is the 20% darker color. If you saturate the color by 10%, you get **18.6014, 14.5741, 75.9618**, and if you desaturate by 10%, it is **20.2899, 17.4279, 76.4236**.

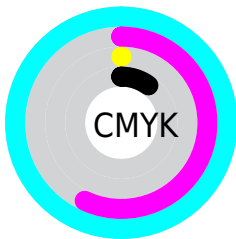
Distribution



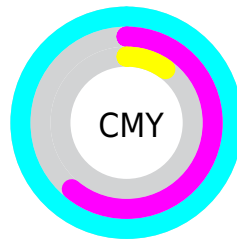
- Red (0%)
- Green (39%)
- Blue (90%)



- Red (0%)
- Yellow (27%)
- Blue (90%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (61%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6047, 14.5808, 75.9625 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 18.6047, 14.5808, 75.9625 by changing the saturation by 10% instead.

■ 18.6047, 14.5808,
75.9625

■ 18.6047, 14.5808,
75.9625

237.2379,
220.8147, 500.5627

■ 11.4873, 8.5257,
55.8953

■ 40.5871, 34.1161,
129.4335

■ 6.4653, 4.4331,
39.7155

■ 56.1828, 48.3651,
163.6744

■ 3.1734, 1.9187,
27.0047

■ 75.3354, 66.1141,
203.4769

■ 1.2461, 0.5596,
17.3443

■ 98.4101, 87.7477,
249.2595

■ 0.1423, 0.0000,
10.3157

■ 125.7724,
113.6501, 301.4409

■ 0.0000, 0.0000,
5.5005

157.7875,

■ 0.0000, 0.0000,

144.2059, 360.4395

2.4800

194.8209,
179.7992, 426.6740

■ 0.0000, 0.0000,
0.8295

■ 0.0000, 0.0000,
0.0000

■ 18.6047, 14.5808,
75.9625

■ 18.6047, 14.5808,
75.9625

■ 18.6014, 14.5741,
75.9618

■ 20.2899, 17.4279,
76.4236

■ 22.5979, 20.9037,
76.9729

■ 25.6703, 25.0936,
77.6197

■ 29.5917, 30.0528,
78.3702

■ 34.4343, 35.8296,
79.2300

■ 40.2617, 42.4673,
80.2041

■ 47.1315, 50.0058,
81.2971

■ 55.0965, 58.4820,
82.5134

■ 64.2057, 67.9304,
83.8570

Harmonies

Analogous

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



11.9691, 14.5808, 81.0988



18.6047, 14.5808, 75.9625



25.5598, 14.5808, 49.8519

Triad

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



18.6047, 14.5808, 75.9625



23.1042, 14.5808, 1.2990



4.9834, 14.5808, 10.8481

Complementary

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



18.6047, 14.5808, 75.9625



40.3046, 32.6403, 4.1777

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.



6.4174, 14.5808, 2.4399



18.6047, 14.5808, 75.9625



15.9372, 14.5808, 0.1156

Square

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



18.6047, 14.5808, 75.9625



28.6589, 14.5808, 6.4890



9.9972, 14.5808, 0.3891



5.3024, 14.5808, 31.5975

Rectangle

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



18.6047, 14.5808, 75.9625



28.8070, 14.5808, 30.4762



9.9972, 14.5808, 0.3891



5.2545, 14.5808, 6.8920

Sweetspot

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



18.6055, 14.5811, 75.9629



59.9587, 63.6115, 103.7258



32.0357, 57.6455, 30.4848



12.0046, 12.7136, 22.0712



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.



18.6055, 14.5811, 75.9629



23.6475, 18.4151, 96.9158



14.3459, 5.7628, 74.4853



14.0925, 14.9065, 18.2788



10.7499, 8.5618, 43.4692



0.8852, 0.8144, 3.2425

Inverse Universe

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



34.5660, 17.5603, 13.3719



44.0654, 22.3902, 16.8082



55.6749, 70.2958, 10.6358



14.6343, 14.4709, 16.2746



19.8195, 10.0620, 7.9447



1.5104, 0.7619, 0.8285

Previews

White Background



This preview shows how the XYZ color 18.6047, 14.5808, 75.9625 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 18.6047, 14.5808, 75.9625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

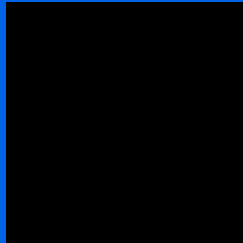
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

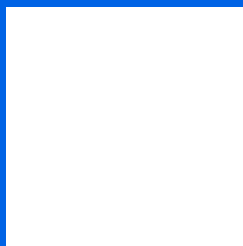
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6047, 14.5808, 75.9625

Background



This preview shows how black text looks on a background with the XYZ color 18.6047, 14.5808, 75.9625.



This preview shows how white text looks on a background with the XYZ color 18.6047, 14.5808,

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

18.6047, 14.5808, 75.9625

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.4383, 14.5251, 49.0564



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

18.6047, 14.5808, 75.9625

Protanomaly

17.7048, 14.5278, 70.2776

Deuteranomaly

15.7122, 14.3674, 57.8222

Tritanomaly

12.2953, 14.0132, 36.7071

Monochromacy



Original Color

18.6047, 14.5808, 75.9625

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.5559, 9.7078, 25.0370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6047, 14.5808, 75.9625 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(0, 99, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 229)  
}
```

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(0, 99, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 229) }
```

Border

The CSS property to change the border of an element to XYZ 18.6047, 14.5808, 75.9625 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(0, 99, 229) }
```


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

```
.border{ border-color:rgb(0, 99, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 229)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6047, 14.5808, 75.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 229) }
```

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

```
.background{ background-color: rgb(0, 99,  
229) }
```

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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