

Converting Colors

XYZ(10.9975, 12.1702, 64.8187)

Have a look what the booklet for
XYZ(10.9975, 12.1702, 64.8187)
contains.

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Color

**XYZ(17.3728, 15.5292,
65.0326)**

Conversions

Conversions Part 1

Format	Color
Hex	006CD5
RGB	0, 108, 213
RGB Percent	0%, 42%, 84%
CMY	0.9998, 0.5765, 0.1647
CMYK	1.00, 0.49, 0.00, 0.16
HSL	210°, 100%, 42%
HSV	210°, 100%, 84%
XYZ	17.3728, 15.5292, 65.0326
YIQ	87.6780, -98.0730, 9.7590

Conversions

Conversions Part 2

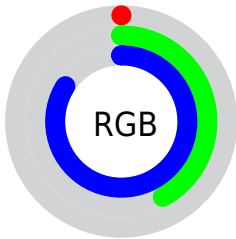
Format	Color
R _{YB}	0, 72, 213
Decimal	27861
CIE Lab	46.35, 15.00, -60.93
CIE LCh	46, 62.750, 283.834
Yxy	15.5292, 0.1774, 0.1586
Android (android.graphics.Color)	4278217941 (0xFF006CD5)
YUV	87.6780, 61.7837, -76.8936
Hunter-Lab	39.4071, 9.7301, -70.2599

Details

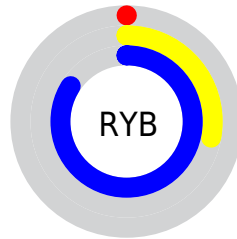
The XYZ color **17.3728, 15.5292, 65.0326** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.4979, 24.2600, 2.9713**, and the grayscale version is **9.0946, 9.5683, 10.4198**.

A 20% lighter version of the original color is **35.8150, 34.7830, 99.4339**, and **7.8084, 5.8796, 32.6216** is the 20% darker color. If you saturate the color by 10%, you get **17.3702, 15.5240, 65.0321**, and if you desaturate by 10%, it is **18.8649, 18.0430, 65.4396**.

Distribution



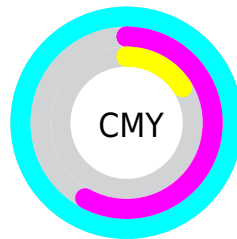
- Red (0%)
- Green (42%)
- Blue (84%)



- Red (0%)
- Yellow (28%)
- Blue (84%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3728, 15.5292, 65.0326 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 17.3728, 15.5292, 65.0326 by changing the saturation by 10% instead.

■ 17.3728, 15.5292,
65.0326

■ 17.3728, 15.5292,
65.0326

230.4262,
226.5474, 461.2185

■ 10.5976, 9.1916,
47.0360

■ 38.5042, 35.7789,
113.7105

■ 5.8622, 4.8664,
32.7096

■ 53.5910, 50.4599,
145.2288

■ 2.8013, 2.1691,
21.6348

■ 72.1792, 68.6907,
182.0914

■ 1.0496, 0.7031,
13.3930

■ 94.6339, 90.8558,
224.7170

■ 0.0000, 0.0000,
7.5658

■ 121.3206,
117.3397, 273.5239

■ 0.0000, 0.0000,
3.7347

152.6047,

■ 0.0000, 0.0000,

148.5266, 328.9308

1.4809

188.8515,
184.8011, 391.3561

■ 0.0000, 0.0000,
0.2037

■ 0.0000, 0.0000,
0.0000

■ 17.3728, 15.5292,
65.0326

■ 17.3728, 15.5292,
65.0326

■ 17.3702, 15.5240,
65.0321

■ 18.8649, 18.0430,
65.4396

■ 20.8430, 21.0121,
65.9084

■ 23.4278, 24.5051,
66.4464

■ 26.6875, 28.5632,
67.0579

■ 30.6799, 33.2221,
67.7467

■ 35.4560, 38.5135,
68.5163

■ 41.0619, 44.4668,
69.3700

■ 47.5399, 51.1090,
70.3106

■ 54.9293, 58.4653,
71.3410

Harmonies

Analogous

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



12.0647, 15.5292, 64.2703



17.3728, 15.5292, 65.0326



23.1407, 15.5292, 48.5224

Triad

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



17.3728, 15.5292, 65.0326



23.5444, 15.5292, 3.5749



6.8905, 15.5292, 9.9322

Complementary

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



17.3728, 15.5292, 65.0326



32.4979, 24.2600, 2.9713

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.



8.6951, 15.5292, 3.2811



17.3728, 15.5292, 65.0326



17.8296, 15.5292, 1.4342

Square

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



17.3728, 15.5292, 65.0326



27.2467, 15.5292, 10.7708



12.4233, 15.5292, 1.3748



6.8252, 15.5292, 25.0230

Rectangle

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



17.3728, 15.5292, 65.0326



26.1196, 15.5292, 33.6144



12.4233, 15.5292, 1.3748



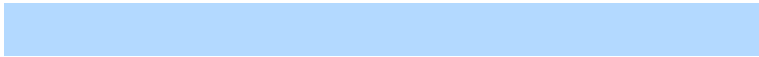
7.2895, 15.5292, 6.9244

Sweetspot

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



17.3735, 15.5296, 65.0330



61.4100, 66.5142, 104.2096



26.2421, 48.5679, 20.8173



12.3465, 13.3976, 22.1852



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.



17.3735, 15.5296, 65.0330



25.9353, 22.9905, 97.6784



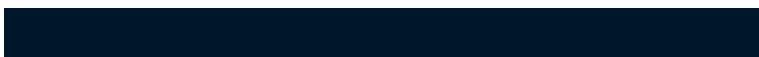
12.0500, 4.8826, 63.2585



12.2577, 13.0389, 15.8082



10.7129, 9.6876, 39.7584



0.7289, 0.7499, 2.4256

Inverse Universe

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



30.1481, 15.2301, 15.5381



45.2201, 22.8520, 22.8890



50.3524, 59.9691, 8.9228



12.6833, 12.5248, 14.2724



18.4662, 9.3228, 9.7592



1.1556, 0.5790, 0.8087

Previews

White Background



This preview shows how the XYZ color 17.3728, 15.5292, 65.0326 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 17.3728, 15.5292, 65.0326 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 17.3728, 15.5292, 65.0326

Background



This preview shows how black text looks on a background with the XYZ color 17.3728, 15.5292, 65.0326.



This preview shows how white text looks on a background with the XYZ color 17.3728, 15.5292,

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

17.3728, 15.5292, 65.0326

Protanopia

18.1785, 15.6642, 63.6934

Deuteranopia

15.6445, 15.5285, 53.8025



Tritanopia

10.9220, 15.5040, 23.1858

Trichromacy



Original Color

17.3728, 15.5292, 65.0326

Protanomaly

17.7064, 15.5602, 64.3575

Deuteranomaly

16.3451, 15.6331, 58.0331

Tritanomaly

12.7065, 15.2606, 35.5336

Monochromacy



Original Color

17.3728, 15.5292, 65.0326

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.9567, 10.7186, 23.7344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3728, 15.5292, 65.0326 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, 108, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 213)  
}
```

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, 108, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 213) }
```

Border

The CSS property to change the border of an element to XYZ 17.3728, 15.5292, 65.0326 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, 108, 213) }
```


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

```
.border{ border-color:rgb(0, 108, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3728, 15.5292, 65.0326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 213) }
```

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

```
.background{ background-color: rgb(0, 108,  
213) }
```

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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