

Converting Colors

XYZ(18.3884, 14.3604, 65.0575)

Have a look what the booklet for
XYZ(18.3884, 14.3604, 65.0575)
contains.

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Color

**XYZ(18.3075, 14.2598,
64.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	4060D5
RGB	64, 96, 213
RGB Percent	25%, 38%, 84%
CMY	0.7490, 0.6235, 0.1647
CMYK	0.70, 0.55, 0.00, 0.16
HSL	227°, 64%, 54%
HSV	227°, 70%, 84%
XYZ	18.3075, 14.2598, 64.7383
YIQ	99.7700, -56.6290, 29.6030

Conversions

Conversions Part 2

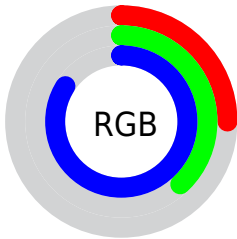
Format	Color
R _Y B	64, 90, 213
Decimal	4219093
CIE Lab	44.60, 27.54, -63.69
CIE LCh	45, 69.386, 293.382
Yxy	14.2598, 0.1881, 0.1465
Android (android.graphics.Color)	4282409173 (0xFF4060D5)
YUV	99.7700, 55.8224, -31.3703
Hunter-Lab	37.7622, 20.4550, -75.2115

Details

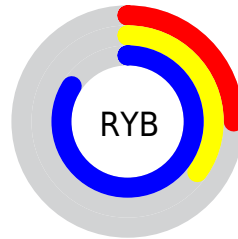
The XYZ color **18.3075, 14.2598, 64.7383** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **44.8926, 47.5688, 11.6677**, and the grayscale version is **11.9285, 12.5497, 13.6666**.

A 20% lighter version of the original color is **37.3821, 32.4449, 98.9000**, and **7.2696, 4.8020, 32.4420** is the 20% darker color. If you saturate the color by 10%, you get **15.8102, 10.9429, 64.2301**, and if you desaturate by 10%, it is **21.6596, 18.4993, 65.3803**.

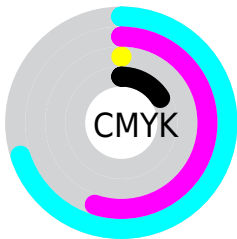
Distribution



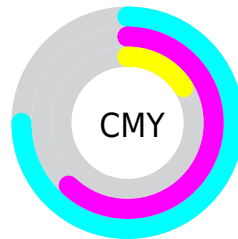
- Red (25%)
- Green (38%)
- Blue (84%)



- Red (25%)
- Yellow (35%)
- Blue (84%)



- Cyan (70%)
- Magenta (55%)
- Yellow (0%)
- Black (16%)



- Cyan (75%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3075, 14.2598, 64.7383 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 18.3075, 14.2598, 64.7383 by changing the saturation by 10% instead.

■ 18.3075, 14.2598,
64.7383

■ 18.3075, 14.2598,
64.7383

235.6108,
218.8411, 460.1314

■ 11.2720, 8.3016,
46.7989

■ 40.0866, 33.5493,
113.2832

■ 6.3187, 4.2885,
32.5235

■ 55.5609, 47.6494,
144.7258

■ 3.0823, 1.8362,
21.4936

■ 74.5789, 65.2322,
181.5065

■ 1.1975, 0.5096,
13.2905

■ 97.5058, 86.6821,
224.0440

■ 0.1044, 0.0000,
7.4958

■ 124.7071,
112.3836, 272.7566

■ 0.0000, 0.0000,
3.6910

156.5482,

■ 0.0000, 0.0000,

142.7210, 328.0631

1.4574

193.3943,
178.0787, 390.3818

■ 0.0000, 0.0000,
0.1859

■ 0.0000, 0.0000,
0.0000

■ 18.3075, 14.2598,
64.7383

■ 18.3075, 14.2598,
64.7383

■ 15.8102, 10.9429,
64.2301

■ 21.6596, 18.4993,
65.3803

■ 14.0808, 8.4730,
63.8445

■ 25.9371, 23.7261,
66.1637

■ 12.9817, 6.7448,
63.5688

■ 31.2056, 29.9998,
67.0970

■ 12.9769, 6.7373,
63.5676

■ 37.5239, 37.3749,
68.1875

■ 44.9459, 45.9020,
69.4422

■ 53.5220, 55.6286,
70.8676

■ 63.2993, 66.5992,
72.4699

■ 74.3221, 78.8563,
74.2547

■ 86.3708, 92.3051,
76.2156

Harmonies

Analogous

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



12.3466, 14.2598, 70.9751



18.3075, 14.2598, 64.7383



24.2017, 14.2598, 42.2486

Triad

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



18.3075, 14.2598, 64.7383



21.0701, 14.2598, 1.5814



5.4069, 14.2598, 12.2277

Complementary

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



18.3075, 14.2598, 64.7383



44.8926, 47.5688, 11.6677

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.



6.6016, 14.2598, 3.4197



18.3075, 14.2598, 64.7383



14.8367, 14.2598, 0.5578

Square

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



18.3075, 14.2598, 64.7383



26.0802, 14.2598, 6.2018



9.7032, 14.2598, 0.9239



5.8607, 14.2598, 31.3213

Rectangle

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



18.3075, 14.2598, 64.7383



26.7604, 14.2598, 26.1585



9.7032, 14.2598, 0.9239



5.6150, 14.2598, 8.2542

Sweetspot

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



18.3082, 14.2602, 64.7387



66.0396, 67.2621, 104.1100



34.2211, 52.0038, 51.7993



13.4455, 13.6070, 22.1677



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.



18.3082, 14.2602, 64.7387



22.3477, 14.4698, 96.2228



19.8149, 11.5500, 64.1362



11.9566, 12.4366, 15.7078



7.9881, 4.2380, 38.8502



0.5435, 0.3791, 2.3638

Inverse Universe

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



31.3860, 18.6587, 13.0136



43.7378, 23.5168, 11.2060



41.4683, 56.5930, 13.5900



12.5313, 12.4640, 13.4720



17.0909, 8.7727, 2.5168



1.0620, 0.5416, 0.3158

Previews

White Background



This preview shows how the XYZ color 18.3075, 14.2598, 64.7383 looks on a white background.

Color Contrast Check

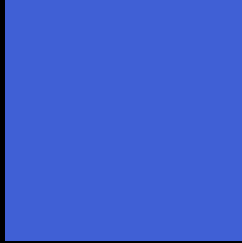
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3075, 14.2598, 64.7383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

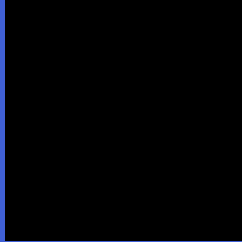
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3075, 14.2598, 64.7383

Background



This preview shows how black text looks on a background with the XYZ color 18.3075, 14.2598, 64.7383.



This preview shows how white text looks on a background with the XYZ color 18.3075, 14.2598,

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

18.3075, 14.2598, 64.7383

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

9.9471, 13.9715, 21.5745

Trichromacy



Original Color

18.3075, 14.2598, 64.7383

Protanomaly

16.9528, 13.9609, 65.4195

Deuteranomaly

15.1674, 13.8682, 54.1020

Tritanomaly

11.9078, 13.5538, 33.8868

Monochromacy



Original Color

18.3075, 14.2598, 64.7383

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2000, 12.8730, 26.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3075, 14.2598, 64.7383 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(64, 96, 213)` looks like.

```
.text, #text, p{  
    color:rgb(64, 96, 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(64, 96, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 96, 213) }
```

Border

The CSS property to change the border of an element to XYZ 18.3075, 14.2598, 64.7383 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(64, 96, 213) }
```


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

```
.border{ border-color:rgb(64, 96, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 96, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 96, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 96, 213);  
box-shadow:4px 4px 4px 4px rgb(64, 96,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3075, 14.2598, 64.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 96, 213) }
```

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

```
.background{ background-color: rgb(64, 96,  
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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