

Converting Colors

XYZ(17.3423, 12.0320, 64.3592)

Have a look what the booklet for
XYZ(17.3423, 12.0320, 64.3592)
contains.

XYZ(17.3423, 12.0320, 64.3592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(17.3423, 12.0320,
64.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	4352D5
RGB	67, 82, 213
RGB Percent	26%, 32%, 84%
CMY	0.7372, 0.6784, 0.1647
CMYK	0.69, 0.62, 0.00, 0.16
HSL	234°, 63%, 55%
HSV	234°, 69%, 84%
XYZ	17.3423, 12.0320, 64.3592
YIQ	92.4490, -50.9910, 37.5610

Conversions

Conversions Part 2

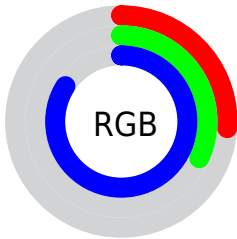
Format	Color
R _Y B	67, 81, 213
Decimal	4412117
CIE Lab	41.27, 36.75, -69.11
CIE LCh	41, 78.275, 298.003
Yxy	12.0320, 0.1850, 0.1284
Android (android.graphics.Color)	4282602197 (0xFF4352D5)
YUV	92.4490, 59.4316, -22.3188
Hunter-Lab	34.6872, 28.5408, -85.7267

Details

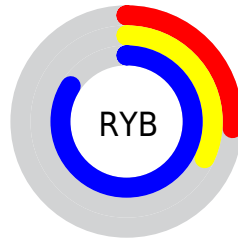
The XYZ color **17.3423, 12.0320, 64.3592** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **48.6505, 54.9443, 13.3528**, and the grayscale version is **10.1525, 10.6812, 11.6318**.

A 20% lighter version of the original color is **35.6820, 28.3581, 98.2008**, and **6.7789, 3.8205, 32.2784** is the 20% darker color. If you saturate the color by 10%, you get **14.8952, 8.9207, 63.8880**, and if you desaturate by 10%, it is **20.7288, 16.2232, 64.9900**.

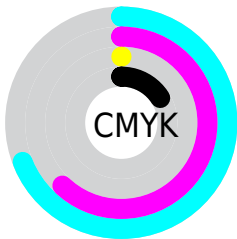
Distribution



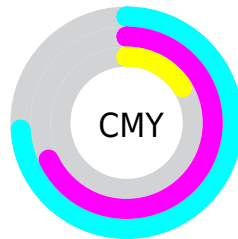
- Red (26%)
- Green (32%)
- Blue (84%)



- Red (26%)
- Yellow (32%)
- Blue (84%)



- Cyan (69%)
- Magenta (62%)
- Yellow (0%)
- Black (16%)



- Cyan (74%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3423, 12.0320, 64.3592 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 17.3423, 12.0320, 64.3592 by changing the saturation by 10% instead.

■ 17.3423, 12.0320,
64.3592

■ 17.3423, 12.0320,
64.3592

230.2553,
204.6170, 458.7286

■ 10.5757, 6.7655,
46.4936

■ 38.4523, 29.5534,
112.7325

■ 5.8474, 3.3159,
32.2841

■ 53.5264, 42.5770,
144.0773

■ 2.7923, 1.2988,
21.3119

■ 72.1003, 58.9551,
180.7523

■ 1.0449, 0.1403,
13.1588

■ 94.5395, 79.0722,
223.1760

■ 0.0000, 0.0000,
7.4059

■ 121.2092,
103.3125, 271.7670

■ 0.0000, 0.0000,
3.6350

152.4748,

■ 0.0000, 0.0000,

132.0605, 326.9437

1.4273

188.7017,
165.7005, 389.1247

■ 0.0000, 0.0000,
0.1629

■ 0.0000, 0.0000,
0.0000

■ 17.3423, 12.0320,
64.3592

■ 17.3423, 12.0320,
64.3592

■ 14.8952, 8.9207,
63.8880

■ 20.7288, 16.2232,
64.9900

■ 13.2891, 6.7879,
63.5609

■ 25.1358, 21.5814,
65.7920

■ 12.3897, 5.5050,
63.3607

■ 30.6381, 28.1856,
66.7767

■ 12.2948, 5.3730,
63.3402

■ 37.3024, 36.1078,
67.9546

■ 45.1906, 45.4143,
69.3352

■ 54.3599, 56.1670,
70.9274

■ 64.8638, 68.4241,
72.7396

■ 76.7529, 82.2405,
74.7798

■ 88.6972, 96.9580,
76.9911

Harmonies

Analogous

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



11.0610, 12.0320, 75.4258



17.3423, 12.0320, 64.3592



23.3663, 12.0320, 37.5171

Triad

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



17.3423, 12.0320, 64.3592



18.2237, 12.0320, 0.3333



3.6450, 12.0320, 12.0446

Complementary

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



17.3423, 12.0320, 64.3592



48.6505, 54.9443, 13.3528

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.



4.4684, 12.0320, 2.5552



17.3423, 12.0320, 64.3592



11.8194, 12.0320, 0.0000

Square

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



17.3423, 12.0320, 64.3592



23.9821, 12.0320, 3.2414



7.0508, 12.0320, 0.1426



4.2688, 12.0320, 33.8504

Rectangle

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



17.3423, 12.0320, 64.3592



25.7199, 12.0320, 20.7034



7.0508, 12.0320, 0.1426



3.7539, 12.0320, 7.6328

Sweetspot

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



17.3430, 12.0323, 64.3595



64.5589, 64.3007, 103.6164



36.0699, 52.7665, 60.4894



13.1001, 12.9162, 22.0526



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.



17.3430, 12.0323, 64.3595



21.2015, 11.8571, 95.7789



22.1825, 13.0284, 64.2967



11.8442, 12.2118, 15.6704



7.5454, 3.3525, 38.7026



0.4908, 0.2736, 2.3463

Inverse Universe

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



30.9714, 18.7708, 9.9734



43.2374, 23.6159, 7.6482



38.7197, 55.1660, 13.9190



12.4746, 12.4413, 13.1733



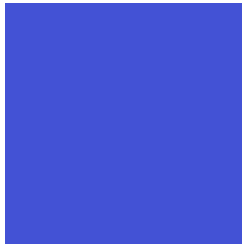
16.8674, 8.6833, 1.3399



1.0354, 0.5309, 0.1757

Previews

White Background



This preview shows how the XYZ color 17.3423, 12.0320, 64.3592 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 17.3423, 12.0320, 64.3592 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 17.3423, 12.0320, 64.3592

Background



This preview shows how black text looks on a background with the XYZ color 17.3423, 12.0320, 64.3592.



This preview shows how white text looks on a background with the XYZ color 17.3423, 12.0320,

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

17.3423, 12.0320, 64.3592

Deuteranopia

11.7175, 11.8260, 39.6953

Tritanopia

8.3522, 11.7532, 18.0480

Trichromacy



Original Color

17.3423, 12.0320, 64.3592

Deuteranomaly

13.1540, 11.5681, 47.9939

Tritanomaly

10.3303, 11.1639, 30.8885

Monochromacy



Original Color

17.3423, 12.0320, 64.3592

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.5009, 10.5960, 24.7316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3423, 12.0320, 64.3592 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(67, 82, 213)` looks like.

```
.text, #text, p{  
    color:rgb(67, 82, 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(67, 82, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 82, 213) }
```

Border

The CSS property to change the border of an element to XYZ 17.3423, 12.0320, 64.3592 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(67, 82, 213) }
```

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

```
.border{ border-color:rgb(67, 82, 213) }
```

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

Here you see how a box with a 4 pixel rgb(67, 82, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 82, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 82, 213);  
box-shadow:4px 4px 4px 4px rgb(67, 82,  
213) }
```


Background

The CSS property to change the background color of an element to XYZ 17.3423, 12.0320, 64.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 82, 213) }
```

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

```
.background{ background-color: rgb(67, 82,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor