

Converting Colors

XYZ(15.7250, 14.1356, 35.1636)

Have a look what the booklet for
XYZ(15.7250, 14.1356, 35.1636)
contains.

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Color

**XYZ(15.7262, 14.1392,
35.1580)**

Conversions

Conversions Part 1

Format	Color
Hex	6064A0
RGB	96, 100, 160
RGB Percent	38%, 39%, 63%
CMY	0.6235, 0.6078, 0.3725
CMYK	0.40, 0.37, 0.00, 0.37
HSL	236°, 25%, 50%
HSV	236°, 40%, 63%
XYZ	15.7262, 14.1392, 35.1580
YIQ	105.6440, -21.6440, 17.8120

Conversions

Conversions Part 2

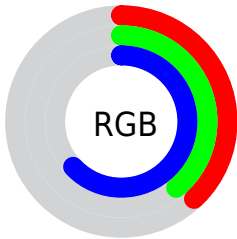
Format	Color
R_{YB}	96, 100, 160
Decimal	6317216
CIE _{Lab}	44.43, 14.01, -33.02
CIE _{LCh}	44, 35.867, 292.994
Yxy	14.1392, 0.2419, 0.2174
Android (android.graphics.Color)	4284507296 (0xFF6064A0)
YUV	105.6440, 26.7975, -8.4578
Hunter-Lab	37.6021, 8.8497, -29.1147

Details

The XYZ color **15.7262, 14.1392, 35.1580** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.4975, 32.0957, 15.7601**, and the grayscale version is **13.5362, 14.2411, 15.5086**.

A 20% lighter version of the original color is **35.7268, 33.4291, 68.8594**, and **5.1081, 4.2789, 14.7440** is the 20% darker color. If you saturate the color by 10%, you get **12.9023, 10.7409, 34.6512**, and if you desaturate by 10%, it is **19.1586, 18.2450, 35.7698**.

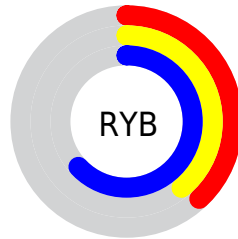
Distribution



Red (38%)

Green (39%)

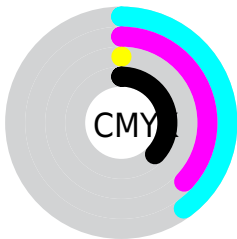
Blue (63%)



Red (38%)

Yellow (39%)

Blue (63%)

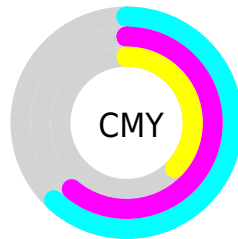


Cyan (40%)

Magenta (37%)

Yellow (0%)

Black (37%)



Cyan (62%)

Magenta (61%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7262, 14.1392, 35.1580 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 15.7262, 14.1392, 35.1580 by changing the saturation by 10% instead.

■ 15.7262, 14.1392,
35.1580

■ 15.7262, 14.1392,
35.1580

221.0229,
218.0951, 340.1906

■ 9.4202, 8.2175,
23.5001

■ 35.6835, 33.3358,
68.8848

■ 5.0756, 4.2345,
14.7544

■ 50.0656, 47.3796,
91.7908

■ 2.3269, 1.8056,
8.5025

■ 67.8704, 64.8995,
119.2832

■ 0.8084, 0.4906,
4.3258

■ 89.4633, 86.2799,
151.7806

■ 0.0000, 0.0000,
1.8057

115.2096,
111.9053, 189.7015

■ 0.0000, 0.0000,
0.4317

145.4748,

■ 0.0000, 0.0000,

142.1600, 233.4644

0.0000

180.6241,
177.4285, 283.4879

■ 15.7262, 14.1392,
35.1580

■ 15.7262, 14.1392,
35.1580

■ 12.9023, 10.7409,
34.6512

■ 19.1586, 18.2450,
35.7698

■ 10.6500, 8.0086,
34.2425

■ 23.2307, 23.0934,
36.4911

■ 8.9305, 5.8990,
33.9259

■ 27.9731, 28.7192,
37.3270

■ 7.6998, 4.3628,
33.6943

■ 33.4143, 35.1546,
38.2824

■ 6.9066, 3.3436,
33.5393

■ 39.5810, 42.4297,
39.3616

■ 6.4538, 2.7552,
33.4496

■ 46.4984, 50.5733,
40.5689

■ 6.4537, 2.7551,
33.4496

■ 54.1907, 59.6128,
41.9083

■ 62.6809, 69.5743,
43.3835

■ 71.9910, 80.4830,
44.9984

Harmonies

Analogous

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



12.7731, 14.1392, 37.1805



15.7262, 14.1392, 35.1580



18.3774, 14.1392, 27.0840

Triad

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



15.7262, 14.1392, 35.1580



17.0647, 14.1392, 5.8693



8.6477, 14.1392, 13.5364

Complementary

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



15.7262, 14.1392, 35.1580



28.4975, 32.0957, 15.7601

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.



9.4753, 14.1392, 7.6717



15.7262, 14.1392, 35.1580



14.1274, 14.1392, 4.3927

Square

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



15.7262, 14.1392, 35.1580



19.2242, 14.1392, 9.9823



11.3849, 14.1392, 4.9077



8.9490, 14.1392, 22.4784

Rectangle

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



15.7262, 14.1392, 35.1580



19.4772, 14.1392, 20.5288



11.3849, 14.1392, 4.9077



8.7986, 14.1392, 11.1978

Sweetspot

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



15.7267, 14.1397, 35.1583



48.7598, 49.7391, 67.4172



23.3733, 30.0201, 35.8971



10.4611, 10.6327, 14.7446



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.7267, 14.1397, 35.1583



23.9259, 20.1050, 63.0061



18.8023, 15.1697, 35.1950



6.3164, 6.4985, 8.3281



5.0396, 2.1708, 26.0606



0.0988, 0.0561, 0.4689

Inverse Universe

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



20.9808, 16.7600, 14.1863



34.8576, 25.6880, 19.3419



24.2401, 30.9136, 15.7563



6.6490, 6.6525, 7.0029



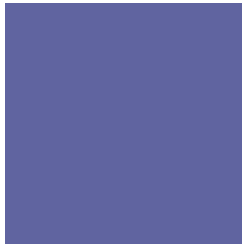
11.3420, 5.8414, 0.7859



0.2072, 0.1062, 0.0370

Previews

White Background



This preview shows how the XYZ color 15.7262, 14.1392, 35.1580 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 15.7262, 14.1392, 35.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

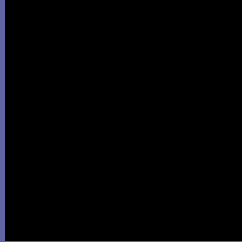
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7262, 14.1392, 35.1580

Background



This preview shows how black text looks on a background with the XYZ color 15.7262, 14.1392, 35.1580.



This preview shows how white text looks on a background with the XYZ color 15.7262, 14.1392,

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

15.7262, 14.1392, 35.1580

Protanopia

15.0284, 14.1838, 36.5960

Deuteranopia

14.5340, 14.2686, 34.7890



Tritanopia

12.5764, 14.2237, 19.2221

Trichromacy



Original Color

15.7262, 14.1392, 35.1580

Protanomaly

15.2975, 14.1861, 36.1143

Deuteranomaly

14.8546, 14.1350, 34.7463

Tritanomaly

13.6041, 14.1752, 24.2094

Monochromacy



Original Color

15.7262, 14.1392, 35.1580

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1957, 14.2318, 21.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7262, 14.1392, 35.1580 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(96, 100, 160) looks like.

```
.text, #text, p{  
    color:rgb(96, 100, 160)  
}
```

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(96, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 100, 160) }
```

Border

The CSS property to change the border of an element to XYZ 15.7262, 14.1392, 35.1580 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(96, 100, 160) }
```


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

```
.border{ border-color:rgb(96, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(96, 100,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7262, 14.1392, 35.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 100, 160) }
```

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

```
.background{ background-color: rgb(96, 100,  
160) }
```

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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