

Converting Colors

XYZ(15.3056, 13.1054, 32.1095)

Have a look what the booklet for
XYZ(15.3056, 13.1054, 32.1095)
contains.

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Color

**XYZ(15.4290, 13.2221,
32.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	675E9A
RGB	103, 94, 154
RGB Percent	40%, 37%, 60%
CMY	0.5961, 0.6314, 0.3961
CMYK	0.33, 0.39, 0.00, 0.40
HSL	249°, 24%, 49%
HSV	249°, 39%, 60%
XYZ	15.4290, 13.2221, 32.3108
YIQ	103.5310, -13.8960, 20.5680

Conversions

Conversions Part 2

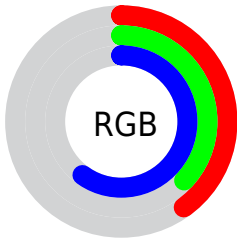
Format	Color
RYB	103, 94, 154
Decimal	6774426
CIELab	43.10, 18.03, -31.51
CIELCh	43, 36.304, 299.776
Yxy	13.2221, 0.2531, 0.2169
Android (android.graphics.Color)	4284964506 (0xFF675E9A)
YUV	103.5310, 24.8812, -0.4657
Hunter-Lab	36.3622, 12.1062, -27.2305

Details

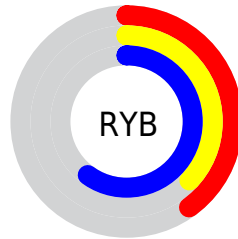
The XYZ color **15.4290, 13.2221, 32.3108** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2533, 29.9393, 15.0380**, and the grayscale version is **12.9720, 13.6475, 14.8621**.

A 20% lighter version of the original color is **35.1922, 31.6179, 64.5696**, and **4.9234, 3.8301, 13.0502** is the 20% darker color. If you saturate the color by 10%, you get **12.8081, 10.0371, 31.8344**, and if you desaturate by 10%, it is **18.5592, 17.0757, 32.8899**.

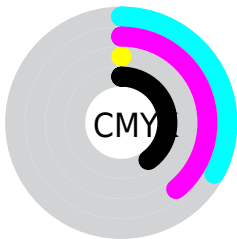
Distribution



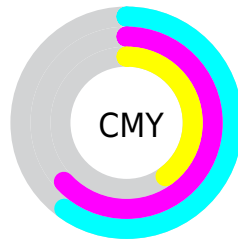
- Red (40%)
- Green (37%)
- Blue (60%)



- Red (40%)
- Yellow (37%)
- Blue (60%)



- Cyan (33%)
- Magenta (39%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (63%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4290, 13.2221, 32.3108 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 15.4290, 13.2221, 32.3108 by changing the saturation by 10% instead.

■ 15.4290, 13.2221,
32.3108

■ 15.4290, 13.2221,
32.3108

219.2856,
212.3362, 327.0689

■ 9.2093, 7.5817,
21.3322

■ 35.1695, 31.7022,
64.4016

■ 4.9361, 3.8285,
13.1735

■ 49.4211, 45.3107,
86.3508

■ 2.2442, 1.5781,
7.4160

■ 67.0806, 62.3440,
112.7941

■ 0.7659, 0.3427,
3.6412

■ 88.5135, 83.1865,
144.1498

■ 0.0000, 0.0000,
1.4307

114.0851,
108.2225, 180.8367

■ 0.0000, 0.0000,
0.1655

144.1607,

■ 0.0000, 0.0000,

137.8366, 223.2731

0.0000

179.1058,
172.4130, 271.8776

■ 15.4290, 13.2221,
32.3108

■ 15.4290, 13.2221,
32.3108

■ 12.8081, 10.0371,
31.8344

■ 18.5592, 17.0757,
32.8899

■ 10.6678, 7.4810,
31.4538

■ 22.2224, 21.6317,
33.5762

■ 8.9787, 5.5119,
31.1628

■ 26.4425, 26.9233,
34.3752

■ 7.7075, 4.0825,
30.9539

■ 31.2418, 32.9812,
35.2915

■ 6.8162, 3.1377,
30.8185

■ 36.6410, 39.8343,
36.3297

■ 6.2380, 2.5678,
30.7390

■ 42.6599, 47.5101,
37.4941

■ 6.1885, 2.5165,
30.7317

■ 49.3176, 56.0346,
38.7886

■ 56.6321, 65.4329,
40.2171

■ 64.6207, 75.7288,
41.7834

Harmonies

Analogous

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



12.5462, 13.2221, 35.9200



15.4290, 13.2221, 32.3108



17.8054, 13.2221, 23.6158

Triad

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



15.4290, 13.2221, 32.3108



15.4708, 13.2221, 4.7733



7.9233, 13.2221, 14.3365

Complementary

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



15.4290, 13.2221, 32.3108



25.2533, 29.9393, 15.0380

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.



8.4726, 13.2221, 7.9564



15.4290, 13.2221, 32.3108



12.5883, 13.2221, 3.8397

Square

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



15.4290, 13.2221, 32.3108



17.8320, 13.2221, 8.0268



10.0832, 13.2221, 4.7445



8.4564, 13.2221, 23.4709

Rectangle

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



15.4290, 13.2221, 32.3108



18.6317, 13.2221, 17.3046



10.0832, 13.2221, 4.7445



7.9862, 13.2221, 11.8342

Sweetspot

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



15.4295, 13.2226, 32.3111



45.4055, 45.6036, 61.9455



20.5746, 24.9640, 34.3062



10.0681, 10.0596, 13.9814



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.4295, 13.2226, 32.3111



23.7104, 18.7684, 57.9093



19.5087, 15.3255, 32.5020



5.9665, 6.0686, 7.7859



5.0622, 2.0607, 25.0386



0.0950, 0.0408, 0.3752

Inverse Universe

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



22.4403, 16.9202, 28.8713



38.4382, 26.5456, 50.2502



20.6466, 27.5645, 14.8225



6.4214, 6.3077, 7.5991



14.1999, 6.9342, 18.1092



0.2218, 0.1075, 0.3207

Previews

White Background



This preview shows how the XYZ color 15.4290, 13.2221, 32.3108 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 15.4290, 13.2221, 32.3108 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 15.4290, 13.2221, 32.3108

Background



This preview shows how black text looks on a background with the XYZ color 15.4290, 13.2221, 32.3108.

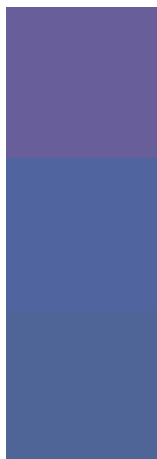


This preview shows how white text looks on a background with the XYZ color 15.4290, 13.2221,

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

15.4290, 13.2221, 32.3108

Protanopia

14.1234, 13.3230, 34.6281

Deuteranopia

13.5456, 13.2366, 31.5468



Tritanopia

12.3356, 13.2279, 16.9420

Trichromacy



Original Color

15.4290, 13.2221, 32.3108

Protanomaly

14.4780, 13.2444, 33.6916

Deuteranomaly

14.1420, 13.1100, 31.9221

Tritanomaly

13.3177, 13.1880, 21.9223

Monochromacy



Original Color

15.4290, 13.2221, 32.3108

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.7789, 13.4625, 20.2847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4290, 13.2221, 32.3108 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(103, 94, 154)` looks like.

```
.text, #text, p{  
    color:rgb(103, 94, 154)  
}
```

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(103, 94, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 94, 154) }
```

Border

The CSS property to change the border of an element to XYZ 15.4290, 13.2221, 32.3108 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(103, 94, 154) }
```


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

```
.border{ border-color:rgb(103, 94, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 94, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 94, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 94, 154); box-shadow:4px 4px 4px 4px rgb(103, 94, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4290, 13.2221, 32.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 94, 154) }
```

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

```
.background{ background-color: rgb(103, 94,  
154) }
```

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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