

Converting Colors

XYZ(15.4627, 13.0563, 40.2346)

Have a look what the booklet for
XYZ(15.4627, 13.0563, 40.2346)
contains.

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Color

**XYZ(15.4732, 13.0695,
40.2352)**

Conversions

Conversions Part 1

Format	Color
Hex	595EAB
RGB	89, 94, 171
RGB Percent	35%, 37%, 67%
CMY	0.6510, 0.6314, 0.3294
CMYK	0.48, 0.45, 0.00, 0.33
HSL	236°, 33%, 51%
HSV	236°, 48%, 67%
XYZ	15.4732, 13.0695, 40.2352
YIQ	101.2830, -27.6970, 22.8870

Conversions

Conversions Part 2

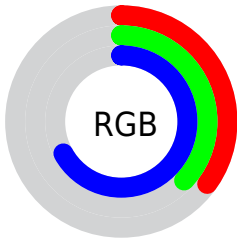
Format	Color
R_{YB}	89, 94, 171
Decimal	5856939
CIE Lab	42.87, 19.27, -42.02
CIE LCh	43, 46.232, 294.637
Yxy	13.0695, 0.2250, 0.1900
Android (android.graphics.Color)	4284047019 (0xFF595EAB)
YUV	101.2830, 34.3705, -10.7722
Hunter-Lab	36.1518, 13.1336, -40.6807

Details

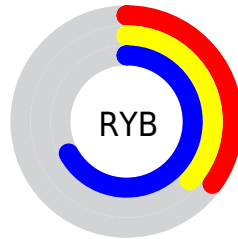
The XYZ color **15.4732, 13.0695, 40.2352** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **32.2348, 36.6529, 14.8278**, and the grayscale version is **12.3622, 13.0060, 14.1636**.

A 20% lighter version of the original color is **35.1661, 31.3322, 76.8673**, and **4.9542, 3.7452, 17.6013** is the 20% darker color. If you saturate the color by 10%, you get **12.7364, 9.7550, 39.7400**, and if you desaturate by 10%, it is **18.8892, 17.1754, 40.8479**.

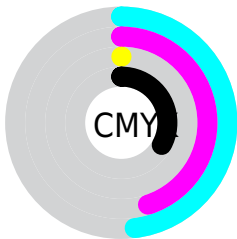
Distribution



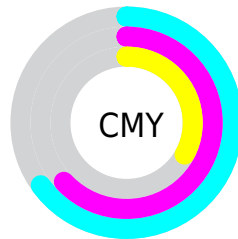
- Red (35%)
- Green (37%)
- Blue (67%)



- Red (35%)
- Yellow (37%)
- Blue (67%)



- Cyan (48%)
- Magenta (45%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (63%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4732, 13.0695, 40.2352 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 15.4732, 13.0695, 40.2352 by changing the saturation by 10% instead.

■ 15.4732, 13.0695,
40.2352

■ 15.4732, 13.0695,
40.2352

219.5448,
211.3626, 362.6954

■ 9.2406, 7.4764,
27.4068

■ 35.2461, 31.4286,
76.7625

■ 4.9568, 3.7618,
17.6438

■ 49.5171, 44.9634,
101.2985

■ 2.2565, 1.5412,
10.5278

■ 67.1983, 61.9142,
130.5742

■ 0.7722, 0.3175,
5.6401

■ 88.6551, 82.6655,
165.0080

■ 0.0000, 0.0000,
2.5623

114.2528,
107.6015, 205.0184

■ 0.0000, 0.0000,
0.8729

144.3567,

■ 0.0000, 0.0000,

137.1068, 251.0241

0.0000

179.3323,
171.5657, 303.4436

■ 15.4732, 13.0695,
40.2352

■ 15.4732, 13.0695,
40.2352

■ 12.7364, 9.7550,
39.7400

■ 18.8892, 17.1754,
40.8479

■ 10.6320, 7.1798,
39.3538

■ 23.0241, 22.1179,
41.5840

■ 9.1095, 5.2873,
39.0688

■ 27.9163, 27.9402,
42.4500

■ 8.1101, 4.0124,
38.8753

■ 33.6009, 34.6822,
43.4517

■ 7.5478, 3.2693,
38.7615

■ 40.1110, 42.3814,
44.5947

■ 7.4639, 3.1666,
38.7461

■ 47.4778, 51.0731,
45.8841

■ 55.7308, 60.7909,
47.3248

■ 64.8981, 71.5668,
48.9216

■ 75.0065, 83.4313,
50.6789

Harmonies

Analogous

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



11.7983, 13.0695, 43.6996



15.4732, 13.0695, 40.2352



18.8230, 13.0695, 28.7128

Triad

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



15.4732, 13.0695, 40.2352



16.7809, 13.0695, 3.5334



6.8140, 13.0695, 12.4892

Complementary

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



15.4732, 13.0695, 40.2352



32.2348, 36.6529, 14.8278

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.



7.6669, 13.0695, 5.6822



15.4732, 13.0695, 40.2352



13.0677, 13.0695, 2.3225

Square

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



15.4732, 13.0695, 40.2352



19.6727, 13.0695, 7.5658



9.8011, 13.0695, 2.8630



7.2160, 13.0695, 23.9738

Rectangle

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



15.4732, 13.0695, 40.2352



20.1873, 13.0695, 20.0291



9.8011, 13.0695, 2.8630



6.9577, 13.0695, 9.6753

Sweetspot

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



15.4737, 13.0699, 40.2355



53.5982, 54.3155, 76.6609



25.5234, 33.9861, 41.0675



11.4912, 11.5649, 17.0143



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.4737, 13.0699, 40.2355



22.3524, 16.9134, 71.0884



19.3132, 14.4108, 40.2920



7.6166, 7.8327, 10.0631



5.6409, 2.4156, 29.2135



0.1693, 0.0920, 0.8168

Inverse Universe

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



22.3878, 16.6115, 12.6163



36.3581, 24.3057, 15.0920



26.4336, 35.0372, 14.8217



8.0243, 8.0230, 8.4388



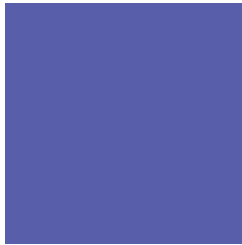
12.7109, 6.5469, 0.8571



0.3599, 0.1846, 0.0568

Previews

White Background



This preview shows how the XYZ color 15.4732, 13.0695, 40.2352 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 15.4732, 13.0695, 40.2352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

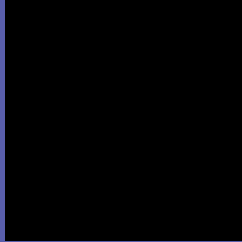
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 15.4732, 13.0695, 40.2352

Background



This preview shows how black text looks on a background with the XYZ color 15.4732, 13.0695, 40.2352.



This preview shows how white text looks on a background with the XYZ color 15.4732, 13.0695,

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

15.4732, 13.0695, 40.2352

Protanopia

14.5144, 13.2121, 42.3426

Deuteranopia

13.4884, 13.1795, 39.3691



Tritanopia

11.0999, 13.1697, 18.1766

Trichromacy



Original Color

15.4732, 13.0695, 40.2352

Protanomaly

14.8163, 13.1012, 41.7923

Deuteranomaly

14.0323, 13.0193, 39.8036

Tritanomaly

12.3490, 12.9143, 24.7635

Monochromacy



Original Color

15.4732, 13.0695, 40.2352

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.0633, 12.7831, 21.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4732, 13.0695, 40.2352 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(89, 94, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 94, 171)  
}
```

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(89, 94, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 94, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.4732, 13.0695, 40.2352 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(89, 94, 171) }
```


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

```
.border{ border-color:rgb(89, 94, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 94, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 94, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 94, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 94,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4732, 13.0695, 40.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 94, 171) }
```

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

```
.background{ background-color: rgb(89, 94,  
171) }
```

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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