

Converting Colors

XYZ(15.9736, 13.9025, 30.8600)

Have a look what the booklet for
XYZ(15.9736, 13.9025, 30.8600)
contains.

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Color

**XYZ(15.9641, 13.9395,
30.7034)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6196
RGB	108, 97, 150
RGB Percent	42%, 38%, 59%
CMY	0.5765, 0.6196, 0.4118
CMYK	0.28, 0.35, 0.00, 0.41
HSL	252°, 21%, 48%
HSV	252°, 35%, 59%
XYZ	15.9641, 13.9395, 30.7034
YIQ	106.3310, -10.4570, 18.8150

Conversions

Conversions Part 2

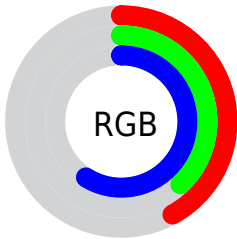
Format	Color
R_{YB}	108, 97, 150
Decimal	7102870
CIE Lab	44.15, 16.62, -27.45
CIE LCh	44, 32.090, 301.193
Yxy	13.9395, 0.2634, 0.2300
Android (android.graphics.Color)	4285292950 (0xFF6C6196)
YUV	106.3310, 21.5288, 1.4637
Hunter-Lab	37.3356, 10.9863, -22.6229

Details

The XYZ color **15.9641, 13.9395, 30.7034** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.7116, 28.1650, 15.4963**, and the grayscale version is **13.7356, 14.4509, 15.7370**.

A 20% lighter version of the original color is **36.1869, 33.1165, 61.6116**, and **5.2396, 4.1983, 12.3386** is the 20% darker color. If you saturate the color by 10%, you get **13.3586, 10.7300, 30.2215**, and if you desaturate by 10%, it is **19.0298, 17.7759, 31.2826**.

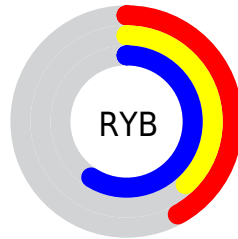
Distribution



Red (42%)

Green (38%)

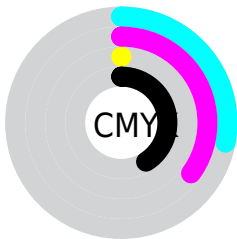
Blue (59%)



Red (42%)

Yellow (38%)

Blue (59%)

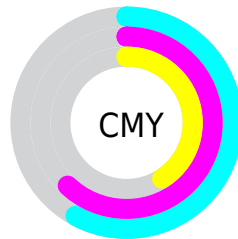


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (41%)



Cyan (58%)

Magenta (62%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9641, 13.9395, 30.7034 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 15.9641, 13.9395, 30.7034 by changing the saturation by 10% instead.

■ 15.9641, 13.9395,
30.7034

■ 15.9641, 13.9395,
30.7034

222.4043,
216.8541, 319.4783

■ 9.5894, 8.0786,
20.1165

■ 36.0938, 32.9816,
61.8469

■ 5.1878, 4.1453,
12.2949

■ 50.5796, 46.9317,
83.2406

■ 2.3937, 1.7552,
6.8199

■ 68.4998, 64.3469,
109.0737

■ 0.8420, 0.4590,
3.2730

■ 90.2197, 85.6116,
139.7646

■ 0.0000, 0.0000,
1.2356

116.1048,
111.1103, 175.7320

■ 0.0000, 0.0000,
0.0082

146.5204,

■ 0.0000, 0.0000,

141.2274, 217.3944

0.0000

181.8318,
176.3472, 265.1703

■ 15.9641, 13.9395,
30.7034

■ 15.9641, 13.9395,
30.7034

■ 13.3586, 10.7300,
30.2215

■ 19.0298, 17.7759,
31.2826

■ 11.1891, 8.1120,
29.8305

■ 22.5754, 22.2687,
31.9629

■ 9.4313, 6.0491,
29.5250

■ 26.6210, 27.4475,
32.7493

■ 8.0579, 4.5002,
29.2984

■ 31.1855, 33.3396,
33.6460

■ 7.0380, 3.4182,
29.1433

■ 36.2865, 39.9708,
34.6571

■ 6.3327, 2.7415,
29.0498

■ 41.9407, 47.3657,
35.7864

■ 6.0742, 2.4954,
29.0160

■ 48.1644, 55.5475,
37.0377

■ 54.9730, 64.5387,
38.4143

■ 62.3812, 74.3608,
39.9197

Harmonies

Analogous

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



13.3518, 13.9395, 34.0731



15.9641, 13.9395, 30.7034



18.0447, 13.9395, 23.0302

Triad

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



15.9641, 13.9395, 30.7034



15.7640, 13.9395, 5.8763



8.9138, 13.9395, 15.4730

Complementary

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



15.9641, 13.9395, 30.7034



23.7116, 28.1650, 15.4963

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.



9.3886, 13.9395, 9.3502



15.9641, 13.9395, 30.7034



13.1469, 13.9395, 4.9993

Square

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



15.9641, 13.9395, 30.7034



17.9191, 13.9395, 8.9871



10.8608, 13.9395, 6.0335



9.4703, 13.9395, 23.7076

Rectangle

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



15.9641, 13.9395, 30.7034



18.7300, 13.9395, 17.4389



10.8608, 13.9395, 6.0335



8.9576, 13.9395, 13.1210

Sweetspot

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



15.9646, 13.9400, 30.7037



42.6698, 42.9111, 56.9550



19.7258, 23.3251, 32.3170



9.2697, 9.2713, 12.5858



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9646, 13.9400, 30.7037



24.6528, 20.2544, 53.5314



19.6276, 15.8284, 30.8751



5.6053, 5.6875, 7.2721



5.0607, 2.0815, 24.0661



0.0824, 0.0360, 0.2955

Inverse Universe

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



21.5128, 16.8979, 26.5538



35.9620, 26.2911, 44.7245



19.8616, 26.1802, 15.3161



5.9843, 5.8888, 7.0234



13.1983, 6.4844, 15.0573



0.1720, 0.0835, 0.2392

Previews

White Background



This preview shows how the XYZ color 15.9641, 13.9395, 30.7034 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 15.9641, 13.9395, 30.7034 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 15.9641, 13.9395, 30.7034

Background



This preview shows how black text looks on a background with the XYZ color 15.9641, 13.9395, 30.7034.

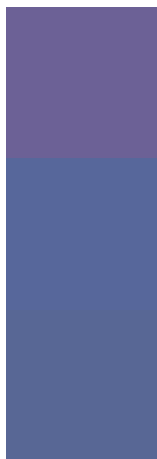


This preview shows how white text looks on a background with the XYZ color 15.9641, 13.9395,

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

15.9641, 13.9395, 30.7034

Protanopia

14.6971, 14.0933, 32.9560

Deuteranopia

14.2996, 13.9451, 30.3718



Tritanopia

13.3990, 14.0621, 17.6308

Trichromacy



Original Color

15.9641, 13.9395, 30.7034

Protanomaly

15.1228, 14.0402, 32.0500

Deuteranomaly

14.7978, 13.9102, 30.3388

Tritanomaly

14.2262, 13.9522, 21.6819

Monochromacy



Original Color

15.9641, 13.9395, 30.7034

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.4265, 14.2314, 20.3989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9641, 13.9395, 30.7034 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(108, 97, 150)` looks like.

```
.text, #text, p{  
    color:rgb(108, 97, 150)  
}
```

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(108, 97, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 97, 150) }
```

Border

The CSS property to change the border of an element to XYZ 15.9641, 13.9395, 30.7034 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(108, 97, 150) }
```


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

```
.border{ border-color:rgb(108, 97, 150) }
```

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

Here you see how a box with a 4 pixel rgb(108, 97, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 97, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 97, 150);  
box-shadow:4px 4px 4px 4px rgb(108, 97,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9641, 13.9395, 30.7034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 97, 150) }
```

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

```
.background{ background-color: rgb(108, 97,  
150) }
```

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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