

Converting Colors

XYZ(13.0907, 15.0503, 31.6088)

Have a look what the booklet for
XYZ(13.0907, 15.0503, 31.6088)
contains.

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Color

**XYZ(13.0714, 15.0259,
31.4895)**

Conversions

Conversions Part 1

Format	Color
Hex	357297
RGB	53, 114, 151
RGB Percent	21%, 45%, 59%
CMY	0.7921, 0.5529, 0.4078
CMYK	0.65, 0.25, 0.00, 0.41
HSL	203°, 48%, 40%
HSV	203°, 65%, 59%
XYZ	13.0714, 15.0259, 31.4895
YIQ	99.9790, -48.2330, -1.4250

Conversions

Conversions Part 2

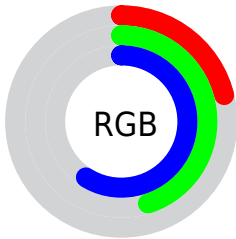
Format	Color
RYB	53, 91, 151
Decimal	3502743
CIELab	45.67, -7.73, -25.93
CIELCh	46, 27.062, 253.400
Yxy	15.0259, 0.2194, 0.2522
Android (android.graphics.Color)	4281692823 (0xFF357297)
YUV	99.9790, 25.1534, -41.2006
Hunter-Lab	38.7633, -7.6435, -21.0302

Details

The XYZ color **13.0714, 15.0259, 31.4895** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.0618, 14.1493, 5.2005**, and the grayscale version is **12.0550, 12.6828, 13.8116**.

A 20% lighter version of the original color is **31.0861, 34.9952, 62.8739**, and **4.2485, 4.8165, 12.7624** is the 20% darker color. If you saturate the color by 10%, you get **11.7761, 13.4333, 31.2507**, and if you desaturate by 10%, it is **14.6580, 16.8287, 31.7541**.

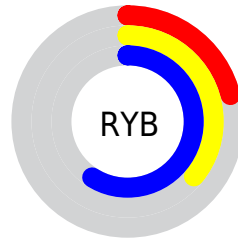
Distribution



Red (21%)

Green (45%)

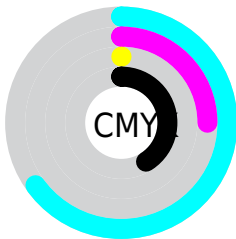
Blue (59%)



Red (21%)

Yellow (36%)

Blue (59%)

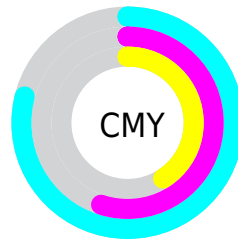


Cyan (65%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (79%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0714, 15.0259, 31.4895 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 13.0714, 15.0259, 31.4895 by changing the saturation by 10% instead.

■ 13.0714, 15.0259,
31.4895

■ 13.0714, 15.0259,
31.4895

■ 205.0031,
223.5229, 323.2079

■ 7.5551, 8.8376,
20.7103

■ 31.0322, 34.8986,
63.0985

■ 3.8610, 4.6354,
12.7232

■ 44.2074, 49.3518,
84.7654

■ 1.6238, 2.0350,
7.1098

■ 60.6663, 67.3287,
110.8986

■ 0.4078, 0.6277,
3.4513

■ 80.7742, 89.2137,
141.9166

■ 0.0000, 0.0000,
1.3295

■ 104.8965,
115.3912, 178.2380

■ 0.0000, 0.0000,
0.0858

■ 133.3985,

■ 0.0000, 0.0000,

146.2457, 220.2813

0.0000

166.6456,
182.1615, 268.4651

■ 13.0714, 15.0259,
31.4895

■ 13.0714, 15.0259,
31.4895

■ 11.7761, 13.4333,
31.2507

■ 14.6580, 16.8287,
31.7541

■ 10.7454, 12.0353,
31.0351

■ 16.5562, 18.8524,
32.0447

■ 9.9477, 10.8148,
30.8416

■ 18.7863, 21.1089,
32.3627

■ 9.5878, 10.2380,
30.7492

■ 21.3663, 23.6083,
32.7092

■ 24.3128, 26.3601,
33.0850

■ 27.6413, 29.3734,
33.4912

■ 31.3663, 32.6565,
33.9286

■ 35.5015, 36.2175,
34.3980

■ 40.0601, 40.0639,
34.9002

Harmonies

Analogous

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



11.3411, 15.0259, 26.5323



13.0714, 15.0259, 31.4895



15.3165, 15.0259, 31.7697

Triad

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



13.0714, 15.0259, 31.4895



18.9589, 15.0259, 13.6331



11.4894, 15.0259, 8.8592

Complementary

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



13.0714, 15.0259, 31.4895



17.0618, 14.1493, 5.2005

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.



13.2945, 15.0259, 6.9690



13.0714, 15.0259, 31.4895



17.6911, 15.0259, 9.1910

Square

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



13.0714, 15.0259, 31.4895



18.8829, 15.0259, 20.1954



15.5644, 15.0259, 7.0717



10.4961, 15.0259, 13.0450

Rectangle

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



13.0714, 15.0259, 31.4895



16.8199, 15.0259, 29.1627



15.5644, 15.0259, 7.0717



12.0126, 15.0259, 7.9906

Sweetspot

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



13.0719, 15.0264, 31.4899



41.0926, 44.9413, 58.9424



14.3357, 23.6106, 13.2389



9.0254, 9.9201, 13.3566



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.0719, 15.0264, 31.4899



20.1724, 22.8477, 55.7805



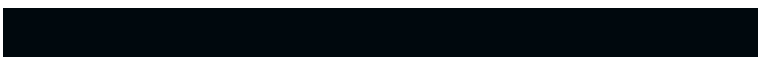
9.0067, 6.8961, 30.1348



6.1885, 6.6344, 7.8834



8.1845, 8.7656, 26.1683



0.1572, 0.2007, 0.4028

Inverse Universe

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



17.0733, 10.3409, 17.0163



28.3528, 15.3751, 25.7184



22.4844, 24.9946, 7.0081



6.3623, 6.2841, 7.2878



12.5899, 6.2902, 9.6314



0.2058, 0.1011, 0.2366

Previews

White Background



This preview shows how the XYZ color 13.0714, 15.0259, 31.4895 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 13.0714, 15.0259, 31.4895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

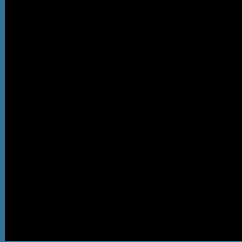
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0714, 15.0259, 31.4895

Background



This preview shows how black text looks on a background with the XYZ color 13.0714, 15.0259, 31.4895.

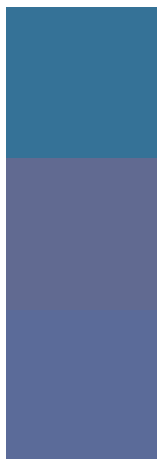


This preview shows how white text looks on a background with the XYZ color 13.0714, 15.0259,

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

13.0714, 15.0259, 31.4895

Protanopia

15.1946, 14.8938, 28.8620

Deuteranopia

15.3218, 15.0394, 32.2323



Tritanopia

11.2498, 14.9665, 22.7180

Trichromacy



Original Color

13.0714, 15.0259, 31.4895

Protanomaly

14.1284, 14.7932, 29.7145

Deuteranomaly

14.3040, 14.9966, 31.8465

Tritanomaly

11.8874, 15.0580, 25.5725

Monochromacy



Original Color

13.0714, 15.0259, 31.4895

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9486, 13.2741, 19.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0714, 15.0259, 31.4895 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(53, 114, 151)` looks like.

```
.text, #text, p{  
    color:rgb(53, 114, 151)  
}
```

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(53, 114, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 114, 151) }
```

Border

The CSS property to change the border of an element to XYZ 13.0714, 15.0259, 31.4895 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(53, 114, 151) }
```


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

```
.border{ border-color:rgb(53, 114, 151) }
```

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

Here you see how a box with a 4 pixel rgb(53, 114, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 114, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 114, 151);  
box-shadow:4px 4px 4px 4px rgb(53, 114,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0714, 15.0259, 31.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 114, 151) }
```

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

```
.background{ background-color: rgb(53, 114,  
151) }
```

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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