

Converting Colors

XYZ(14.9952, 15.6306, 31.9647)

Have a look what the booklet for
XYZ(14.9952, 15.6306, 31.9647)
contains.

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Color

**XYZ(15.0289, 15.6943,
31.9430)**

Conversions

Conversions Part 1

Format	Color
Hex	537098
RGB	83, 112, 152
RGB Percent	33%, 44%, 60%
CMY	0.6745, 0.5608, 0.4039
CMYK	0.45, 0.26, 0.00, 0.40
HSL	215°, 29%, 46%
HSV	215°, 45%, 60%
XYZ	15.0289, 15.6943, 31.9430
YIQ	107.8890, -30.1240, 6.2920

Conversions

Conversions Part 2

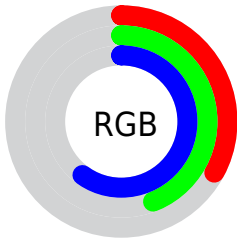
Format	Color
R _Y B	83, 103, 152
Decimal	5468312
CIE Lab	46.57, 0.67, -25.01
CIE LCh	47, 25.021, 271.541
Yxy	15.6943, 0.2398, 0.2504
Android (android.graphics.Color)	4283658392 (0xFF537098)
YUV	107.8890, 21.7467, -21.8277
Hunter-Lab	39.6160, -1.6116, -20.0752

Details

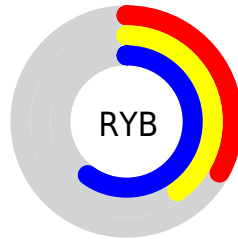
The XYZ color **15.0289, 15.6943, 31.9430** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.5936, 21.4663, 11.1894**, and the grayscale version is **14.1703, 14.9082, 16.2350**.

A 20% lighter version of the original color is **34.5694, 36.2414, 63.5658**, and **4.7747, 4.9962, 13.0246** is the 20% darker color. If you saturate the color by 10%, you get **12.9069, 13.2273, 31.5789**, and if you desaturate by 10%, it is **17.5412, 18.5044, 32.3533**.

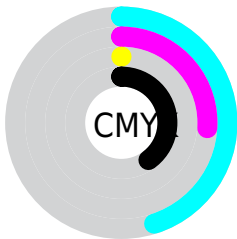
Distribution



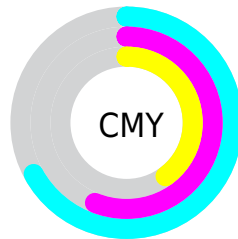
- Red (33%)
- Green (44%)
- Blue (60%)



- Red (33%)
- Yellow (40%)
- Blue (60%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0289, 15.6943, 31.9430 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 15.0289, 15.6943, 31.9430 by changing the saturation by 10% instead.

■ 15.0289, 15.6943,
31.9430

■ 15.0289, 15.6943,
31.9430

216.9260,
227.5310, 325.3442

■ 8.9261, 9.3081,
21.0535

■ 34.4751, 36.0667,
63.8186

■ 4.7497, 4.9427,
12.9715

■ 48.5493, 50.8216,
85.6418

■ 2.1344, 2.2137,
7.2784

■ 66.0112, 69.1350,
111.9466

■ 0.7078, 0.7274,
3.5558

■ 87.2264, 91.3911,
143.1516

■ 0.0000, 0.0000,
1.3849

■ 112.5601,
117.9743, 179.6753

■ 0.0000, 0.0000,
0.1299

142.3777,

■ 0.0000, 0.0000,

149.2691, 221.9363

0.0000

177.0445,
185.6599, 270.3531

■ 15.0289, 15.6943,
31.9430

■ 15.0289, 15.6943,
31.9430

■ 12.9069, 13.2273,
31.5789

■ 17.5412, 18.5044,
32.3533

■ 11.1514, 11.0861,
31.2582

■ 20.4624, 21.6702,
32.8104

■ 9.7383, 9.2544,
30.9791

■ 23.8119, 25.2056,
33.3163

■ 8.6397, 7.7135,
30.7396

■ 27.6071, 29.1233,
33.8724

■ 7.8189, 6.4396,
30.5370

■ 31.8648, 33.4353,
34.4803

■ 7.4944, 5.9208,
30.4539

■ 36.6004, 38.1530,
35.1413

■ 41.8289, 43.2873,
35.8568

■ 47.5646, 48.8488,
36.6279

■ 53.8210, 54.8474,
37.4560

Harmonies

Analogous

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



13.0247, 15.6943, 29.8182



15.0289, 15.6943, 31.9430



17.1959, 15.6943, 29.3571

Triad

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



15.0289, 15.6943, 31.9430



18.7425, 15.6943, 11.5927



11.5566, 15.6943, 12.0256

Complementary

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



15.0289, 15.6943, 31.9430



21.5936, 21.4663, 11.1894

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.



12.8489, 15.6943, 8.8260



15.0289, 15.6943, 31.9430



16.9841, 15.6943, 8.6217

Square

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



15.0289, 15.6943, 31.9430



19.4639, 15.6943, 16.7706



14.8056, 15.6943, 7.7453



11.1398, 15.6943, 17.4102

Rectangle

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



15.0289, 15.6943, 31.9430



18.4099, 15.6943, 25.6016



14.8056, 15.6943, 7.7453



11.8964, 15.6943, 10.7088

Sweetspot

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



15.0294, 15.6949, 31.9434



42.7411, 45.2312, 58.9115



18.3150, 25.7035, 22.4413



9.4275, 9.9811, 13.3471



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.



15.0294, 15.6949, 31.9434



22.8992, 23.4868, 55.7602



12.7480, 10.5093, 31.0627



6.0872, 6.4317, 7.8496



6.3133, 5.0232, 25.5445



0.1292, 0.1447, 0.3935

Inverse Universe

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



18.9672, 14.0323, 17.0386



30.9044, 20.8954, 25.2832



24.8944, 29.3215, 12.5317



6.3111, 6.2636, 7.0184



11.6454, 5.9124, 4.6577



0.1917, 0.0954, 0.1622

Previews

White Background



This preview shows how the XYZ color 15.0289, 15.6943, 31.9430 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 15.0289, 15.6943, 31.9430 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

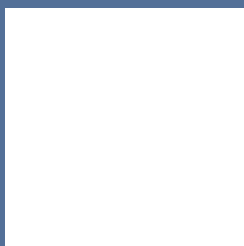
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0289, 15.6943, 31.9430

Background



This preview shows how black text looks on a background with the XYZ color 15.0289, 15.6943, 31.9430.

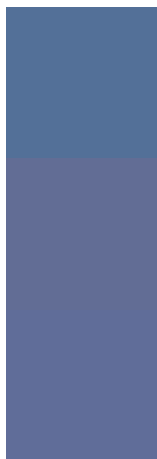


This preview shows how white text looks on a background with the XYZ color 15.0289, 15.6943,

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

15.0289, 15.6943, 31.9430

Protanopia

15.9305, 15.7039, 30.6253

Deuteranopia

16.0423, 15.7240, 32.3265



Tritanopia

13.1077, 15.7654, 22.0908

Trichromacy



Original Color

15.0289, 15.6943, 31.9430

Protanomaly

15.5952, 15.6810, 31.0589

Deuteranomaly

15.6401, 15.6759, 32.3384

Tritanomaly

13.7284, 15.6730, 25.2233

Monochromacy



Original Color

15.0289, 15.6943, 31.9430

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2523, 15.0452, 21.2216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0289, 15.6943, 31.9430 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(83, 112, 152) looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 152)  
}
```

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(83, 112, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.0289, 15.6943, 31.9430 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(83, 112, 152) }
```


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

```
.border{ border-color:rgb(83, 112, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 112, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 152);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0289, 15.6943, 31.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 152) }
```

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

```
.background{ background-color: rgb(83, 112,  
152) }
```

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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