

Converting Colors

XYZ(15.2010, 19.6701, 31.0125)

Have a look what the booklet for
XYZ(15.2010, 19.6701, 31.0125)
contains.

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Color

**XYZ(15.2010, 19.6701,
31.0125)**

Conversions

Conversions Part 1

Format	Color
Hex	358594
RGB	53, 133, 148
RGB Percent	21%, 52%, 58%
CMY	0.7921, 0.4784, 0.4196
CMYK	0.64, 0.10, 0.00, 0.42
HSL	189°, 47%, 39%
HSV	189°, 64%, 58%
XYZ	15.2010, 19.6701, 31.0125
YIQ	110.7900, -52.4950, -12.2950

Conversions

Conversions Part 2

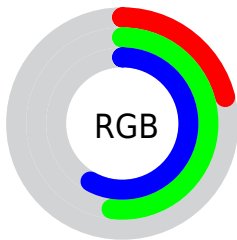
Format	Color
RYB	53, 96, 148
Decimal	3507604
CIELab	51.46, -19.38, -15.28
CIElCh	51, 24.678, 218.243
Yxy	19.6701, 0.2307, 0.2986
Android (android.graphics.Color)	4281697684 (0xFF358594)
YUV	110.7900, 18.3445, -50.6818
Hunter-Lab	44.3510, -16.4346, -10.4129

Details

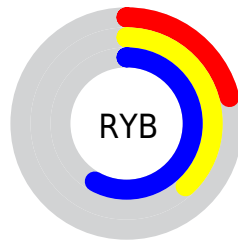
The XYZ color **15.2010, 19.6701, 31.0125** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9229, 10.6876, 4.6450**, and the grayscale version is **15.0087, 15.7903, 17.1956**.

A 20% lighter version of the original color is **34.6500, 42.6971, 62.2922**, and **5.2509, 7.0496, 12.3932** is the 20% darker color. If you saturate the color by 10%, you get **14.2237, 18.6970, 30.8766**, and if you desaturate by 10%, it is **16.4270, 20.7828, 31.1630**.

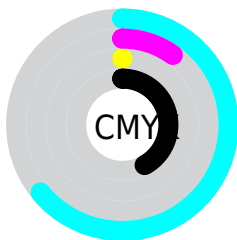
Distribution



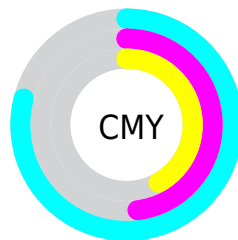
- Red (21%)
- Green (52%)
- Blue (58%)



- Red (21%)
- Yellow (38%)
- Blue (58%)



- Cyan (64%)
- Magenta (10%)
- Yellow (0%)
- Black (42%)



- Cyan (79%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2010, 19.6701, 31.0125 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 15.2010, 19.6701, 31.0125 by changing the saturation by 10% instead.

■ 15.2010, 19.6701,
31.0125

■ 15.2010, 19.6701,
31.0125

217.9439,
250.1235, 320.9489

■ 9.0478, 12.1555,
20.3498

■ 34.7742, 42.8634,
62.3396

■ 4.8297, 6.8496,
12.4630

■ 48.9249, 59.3108,
83.8410

■ 2.1814, 3.3682,
6.9335

■ 66.4721, 79.5047,
109.7925

■ 0.7329, 1.3269,
3.3427

■ 87.7813, 103.8293,
140.6125

■ 0.0000, 0.1619,
1.2722

■ 113.2177,
132.6691, 176.7196

■ 0.0000, 0.0000,
0.0388

143.1467,

■ 0.0000, 0.0000,

166.4085, 218.5324

0.0000

177.9336,
205.4318, 266.4693

■ 15.2010, 19.6701,
31.0125

■ 15.2010, 19.6701,
31.0125

■ 14.2237, 18.6970,
30.8766

■ 16.4270, 20.7828,
31.1630

■ 13.4702, 17.8494,
30.7527

■ 17.9198, 22.0432,
31.3276

■ 12.9129, 17.1134,
30.6400

■ 19.6982, 23.4616,
31.5077

■ 12.6327, 16.7128,
30.5774

■ 21.7785, 25.0464,
31.7039

■ 24.1759, 26.8054,
31.9171

■ 26.9044, 28.7461,
32.1479

■ 29.9774, 30.8753,
32.3969

■ 33.4072, 33.1995,
32.6647

■ 37.2059, 35.7249,
32.9520

Harmonies

Analogous

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



14.3696, 19.6701, 23.4319



15.2010, 19.6701, 31.0125



16.9864, 19.6701, 36.7374

Triad

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



15.2010, 19.6701, 31.0125



23.4744, 19.6701, 26.8784



18.0217, 19.6701, 10.5605

Complementary

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



15.2010, 19.6701, 31.0125



14.9229, 10.6876, 4.6450

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.



20.5163, 19.6701, 11.0873



15.2010, 19.6701, 31.0125



23.8134, 19.6701, 19.5218

Square

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



15.2010, 19.6701, 31.0125



21.7998, 19.6701, 34.0074



22.6891, 19.6701, 14.0387



15.9015, 19.6701, 12.3957

Rectangle

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



15.2010, 19.6701, 31.0125



18.5503, 19.6701, 38.1372



22.6891, 19.6701, 14.0387



18.8422, 19.6701, 10.4768

Sweetspot

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



15.2016, 19.6708, 31.0130



40.3887, 45.6454, 56.1163



13.0792, 22.3454, 8.9739



8.9724, 10.2373, 12.7879



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.



15.2016, 19.6708, 31.0130



24.4722, 32.3129, 54.3818



10.1618, 9.5912, 29.3330



5.8870, 6.4079, 7.3963



10.8064, 14.3077, 26.1231



0.1491, 0.2088, 0.3253

Inverse Universe

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



17.7200, 10.5361, 23.2909



29.5168, 15.7364, 38.5272



18.9581, 18.7580, 5.9901



5.9964, 5.8936, 7.0871



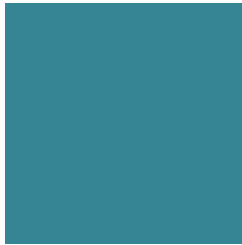
13.5817, 6.6377, 17.0759



0.1747, 0.0846, 0.2538

Previews

White Background



This preview shows how the XYZ color 15.2010, 19.6701, 31.0125 looks on a white 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

Black Background



This preview shows how the XYZ color 15.2010, 19.6701, 31.0125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

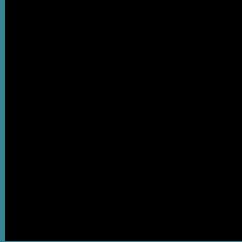
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2010, 19.6701, 31.0125

Background



This preview shows how black text looks on a background with the XYZ color 15.2010, 19.6701, 31.0125.

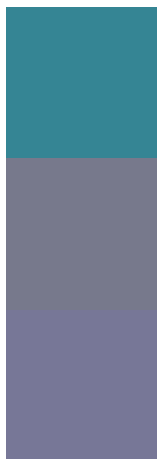


This preview shows how white text looks on a background with the XYZ color 15.2010, 19.6701,

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

15.2010, 19.6701, 31.0125

Protanopia

19.1787, 19.4901, 27.5621

Deuteranopia

19.7905, 19.3500, 31.9700



Tritanopia

14.9244, 19.7676, 29.4145

Trichromacy



Original Color

15.2010, 19.6701, 31.0125

Protanomaly

17.0109, 19.0833, 28.7735

Deuteranomaly

17.4320, 19.0502, 31.6125

Tritanomaly

15.0521, 19.8246, 29.8213

Monochromacy



Original Color

15.2010, 19.6701, 31.0125

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4514, 16.8225, 21.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2010, 19.6701, 31.0125 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, 133, 148)` looks like.

```
.text, #text, p{  
    color:rgb(53, 133, 148)  
}
```

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, 133, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 133, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.2010, 19.6701, 31.0125 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, 133, 148) }
```


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

```
.border{ border-color:rgb(53, 133, 148) }
```

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

Here you see how a box with a 4 pixel rgb(53, 133, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 133, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 133, 148);  
box-shadow:4px 4px 4px 4px rgb(53, 133,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2010, 19.6701, 31.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 133, 148) }
```

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

```
.background{ background-color: rgb(53, 133,  
148) }
```

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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