

Converting Colors

XYZ(31.0135, 35.6114, 15.5533)

Have a look what the booklet for
XYZ(31.0135, 35.6114, 15.5533)
contains.

XYZ(31.1568, 35.8076, 15.6253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1568, 35.8076,
15.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A55D
RGB	166, 165, 93
RGB Percent	65%, 65%, 36%
CMY	0.3490, 0.3529, 0.6353
CMYK	0.00, 0.01, 0.44, 0.35
HSL	59°, 29%, 51%
HSV	59°, 44%, 65%
XYZ	31.1568, 35.8076, 15.6253
YIQ	157.0910, 23.7080, -22.1800

Conversions

Conversions Part 2

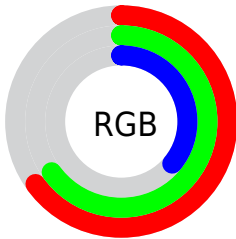
Format	Color
RYB	94, 166, 93
Decimal	10921309
CIELab	66.37, -10.30, 37.31
CIElCh	66, 38.708, 105.434
Yxy	35.8076, 0.3772, 0.4336
Android (android.graphics.Color)	4289111389 (0xFFA6A55D)
YUV	157.0910, -31.5969, 7.8132
Hunter-Lab	59.8395, -11.7789, 26.4058

Details

The XYZ color **31.1568, 35.8076, 15.6253** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3998, 13.0853, 37.7904**, and the grayscale version is **32.2198, 33.8978, 36.9147**.

A 20% lighter version of the original color is **60.8282, 68.7603, 36.8541**, and **13.0418, 15.4368, 4.6751** is the 20% darker color. If you saturate the color by 10%, you get **30.4595, 35.4647, 12.1509**, and if you desaturate by 10%, it is **32.0155, 36.2177, 19.9418**.

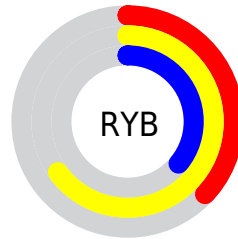
Distribution



Red (65%)

Green (65%)

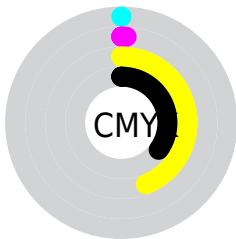
Blue (36%)



Red (37%)

Yellow (65%)

Blue (36%)

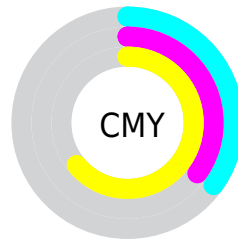


Cyan (0%)

Magenta (1%)

Yellow (44%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1568, 35.8076, 15.6253 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 31.1568, 35.8076, 15.6253 by changing the saturation by 10% instead.

■ 31.1568, 35.8076,
15.6253

■ 31.1568, 35.8076,
15.6253

299.0740,
328.1188, 238.8902

■ 20.8707, 24.2856,
9.1079

■ 60.8610, 68.7350,
36.7042

■ 13.1414, 15.5456,
4.7139

■ 81.0098, 90.9092,
52.1027

■ 7.6037, 9.2032,
2.0246

■ 105.1769,
117.4030, 71.2988

■ 3.8921, 4.8740,
0.5703

■ 133.7277,
148.6007, 94.7109

■ 1.6413, 2.1735,
0.0000

167.0274,
184.8867, 122.7575

■ 0.4191, 0.7055,
0.0000

205.4414,

■ 0.0000, 0.0000,

226.6455, 155.8572

0.0000

249.3352,
274.2614, 194.4286

■ 31.1568, 35.8076,
15.6253

■ 31.1568, 35.8076,
15.6253

■ 30.4595, 35.4647,
12.1509

■ 32.0155, 36.2177,
19.9418

■ 29.9107, 35.1800,
9.4615

■ 33.0425, 36.6941,
25.1481

■ 29.4994, 34.9505,
7.4963

■ 34.2475, 37.2417,
31.2913

■ 29.2123, 34.7707,
6.1847

■ 35.6386, 37.8638,
38.4141

■ 29.0334, 34.6344,
5.4421

■ 37.2235, 38.5636,
46.5568

■ 28.9542, 34.5637,
5.1454

■ 39.0093, 39.3439,
55.7576

■ 41.0030, 40.2074,
66.0523

■ 43.2110, 41.1568,
77.4755

■ 45.6396, 42.1946,
90.0600

Harmonies

Analogous

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



36.9109, 35.8076, 15.5574



31.1568, 35.8076, 15.6253



26.7037, 35.8076, 20.6237

Triad

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



31.1568, 35.8076, 15.6253



26.8053, 35.8076, 66.3961



45.9843, 35.8076, 47.5678

Complementary

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



31.1568, 35.8076, 15.6253



15.3998, 13.0853, 37.7904

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.



42.5964, 35.8076, 65.9101



31.1568, 35.8076, 15.6253



31.3107, 35.8076, 78.6976

Square

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



31.1568, 35.8076, 15.6253



24.3923, 35.8076, 48.1026



37.0832, 35.8076, 78.4981



45.9309, 35.8076, 31.1049

Rectangle

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



31.1568, 35.8076, 15.6253



24.8810, 35.8076, 27.1801



37.0832, 35.8076, 78.4981



45.1947, 35.8076, 53.8002

Sweetspot

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



31.1577, 35.8092, 15.6260



62.3297, 67.6684, 57.6774



21.6706, 16.7481, 12.7317



13.8359, 15.0923, 12.3334



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.1577, 35.8092, 15.6260



55.2802, 64.3647, 22.0473



24.9284, 32.8655, 15.3862



8.1380, 8.7560, 8.0504



22.4556, 26.8085, 3.9910



0.5490, 0.6576, 0.0980

Inverse Universe

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



15.3998, 13.0853, 37.7904



22.8509, 17.6021, 67.6684



19.7423, 15.1935, 37.9684



7.1397, 7.3163, 9.4542



5.3593, 2.1787, 28.1136



0.1329, 0.0580, 0.6848

Previews

White Background



This preview shows how the XYZ color 31.1568, 35.8076, 15.6253 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.1568, 35.8076, 15.6253 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 ✓ Pass

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

XYZ 31.1568, 35.8076, 15.6253

Background



This preview shows how black text looks on a background with the XYZ color 31.1568, 35.8076, 15.6253.



This preview shows how white text looks on a background with the XYZ color 31.1568, 35.8076,

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

31.1568, 35.8076, 15.6253

Protanopia

32.8081, 35.6096, 15.2694

Deuteranopia

36.4319, 35.6915, 16.0353



Tritanopia

36.5055, 35.6402, 42.4913

Trichromacy



Original Color

31.1568, 35.8076, 15.6253

Protanomaly

32.0857, 35.4976, 15.2858

Deuteranomaly

34.3000, 35.5942, 15.8890

Tritanomaly

34.0004, 35.3773, 30.2358

Monochromacy



Original Color

31.1568, 35.8076, 15.6253

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3711, 34.3364, 27.5284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1568, 35.8076, 15.6253 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(166, 165, 93)` looks like.

```
.text, #text, p{  
    color:rgb(166, 165, 93)  
}
```

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(166, 165, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 165, 93) }
```

Border

The CSS property to change the border of an element to XYZ 31.1568, 35.8076, 15.6253 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(166, 165, 93) }
```


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

```
.border{ border-color:rgb(166, 165, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 165, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 165, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 165, 93);  
box-shadow:4px 4px 4px 4px rgb(166, 165,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1568, 35.8076, 15.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 165, 93) }
```

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

```
.background{ background-color: rgb(166,  
165, 93) }
```

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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