

Converting Colors

XYZ(30.1549, 38.5661, 12.6996)

Have a look what the booklet for
XYZ(30.1549, 38.5661, 12.6996)
contains.

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Color

**XYZ(30.1563, 38.4425,
12.6682)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB04C
RGB	154, 176, 76
RGB Percent	60%, 69%, 30%
CMY	0.3961, 0.3098, 0.7019
CMYK	0.13, 0.00, 0.57, 0.31
HSL	73°, 40%, 49%
HSV	73°, 57%, 69%
XYZ	30.1563, 38.4425, 12.6682
YIQ	158.0220, 18.9880, -35.7640

Conversions

Conversions Part 2

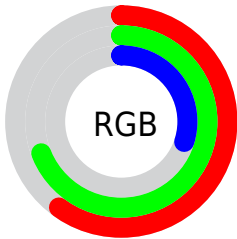
Format	Color
RYB	76, 176, 98
Decimal	10137676
CIELab	68.35, -22.54, 47.79
CIElCh	68, 52.833, 115.248
Yxy	38.4425, 0.3711, 0.4730
Android (android.graphics.Color)	4288327756 (0xFF9AB04C)
YUV	158.0220, -40.4368, -3.5273
Hunter-Lab	62.0020, -21.6854, 31.2873

Details

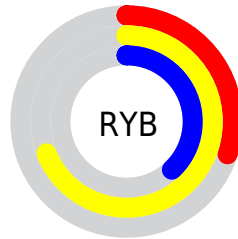
The XYZ color **30.1563, 38.4425, 12.6682** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.4593, 10.9011, 42.3659**, and the grayscale version is **32.6819, 34.3839, 37.4441**.

A 20% lighter version of the original color is **59.3312, 72.9734, 31.3803**, and **12.4931, 16.9371, 3.4213** is the 20% darker color. If you saturate the color by 10%, you get **28.9013, 37.8581, 9.8409**, and if you desaturate by 10%, it is **31.6043, 39.1096, 16.3798**.

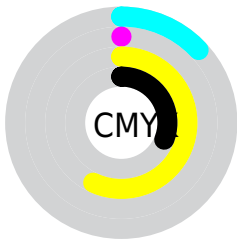
Distribution



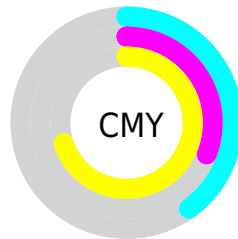
- Red (60%)
- Green (69%)
- Blue (30%)



- Red (30%)
- Yellow (69%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (57%)
- Black (31%)





- Cyan (40%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1563, 38.4425, 12.6682 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 30.1563, 38.4425, 12.6682 by changing the saturation by 10% instead.


 30.1563, 38.4425,
12.6682


 30.1563, 38.4425,
12.6682


294.5291,
339.5144, 219.9128


 20.1059, 26.3263,
7.0724


 59.2942, 72.7859,
31.3888

 12.5808, 17.0679,
3.4283

 79.1124, 95.7818,
45.3507


 7.2155, 10.2829,
1.3173


 102.9173,
123.1732, 62.9384

 3.6448, 5.5869,
0.0759

 131.0742,
155.3443, 84.5704

 1.5032, 2.5956,
0.0000

 163.9485,
192.6796, 110.6653

 0.3280, 0.9244,
0.0000

201.9055,

 0.0000, 0.0000,

235.5634, 141.6417

0.0000

245.3106,
284.3802, 177.9180

■ 30.1563, 38.4425,
12.6682

■ 30.1563, 38.4425,
12.6682

■ 28.9013, 37.8581,
9.8409

■ 31.6043, 39.1096,
16.3798

■ 27.8223, 37.3454,
7.8217

■ 33.2553, 39.8593,
21.0387

■ 26.9038, 36.8996,
6.5256

■ 35.1216, 40.6979,
26.7051

■ 26.1225, 36.5114,
5.8314

■ 37.2138, 41.6297,
33.4334

■ 25.8881, 36.3941,
5.6603

■ 39.5417, 42.6587,
41.2742

■ 42.1144, 43.7884,
50.2748

■ 44.9407, 45.0225,
60.4798

■ 48.0287, 46.3641,
71.9314

■ 51.3863, 47.8166,
84.6698

Harmonies

Analogous

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



37.8740, 38.4425, 10.8671



30.1563, 38.4425, 12.6682



24.9508, 38.4425, 20.8659

Triad

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



30.1563, 38.4425, 12.6682



28.1896, 38.4425, 91.6434



54.8234, 38.4425, 45.7515

Complementary

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



30.1563, 38.4425, 12.6682



15.4593, 10.9011, 42.3659

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.



51.2516, 38.4425, 73.6198



30.1563, 38.4425, 12.6682



35.2346, 38.4425, 105.7692

Square

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



30.1563, 38.4425, 12.6682



23.9414, 38.4425, 64.4879



43.7629, 38.4425, 98.1646



52.9230, 38.4425, 25.2578

Rectangle

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



30.1563, 38.4425, 12.6682



23.1973, 38.4425, 31.2822



43.7629, 38.4425, 98.1646



54.2092, 38.4425, 54.5819

Sweetspot

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



30.1572, 38.4442, 12.6690



67.2982, 75.4135, 60.0029



23.5469, 18.4261, 9.1535



14.4184, 16.2695, 12.4598



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.1572, 38.4442, 12.6690



51.9223, 68.4261, 16.8511



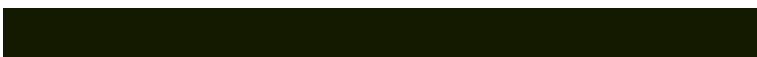
22.5789, 34.5374, 12.3143



9.0105, 9.8105, 9.0712



19.0449, 26.7281, 4.1553



0.6447, 0.8644, 0.1329

Inverse Universe

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



15.4593, 10.9011, 42.3659



22.7819, 13.6826, 75.9356



22.5748, 14.5692, 42.6989



8.2111, 8.3173, 10.6790



6.3985, 2.6343, 30.3082



0.2511, 0.1086, 0.9560

Previews

White Background



This preview shows how the XYZ color 30.1563, 38.4425, 12.6682 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 30.1563, 38.4425, 12.6682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

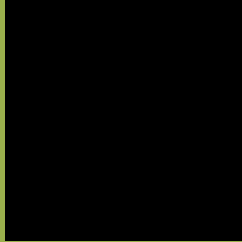
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1563, 38.4425, 12.6682

Background



This preview shows how black text looks on a background with the XYZ color 30.1563, 38.4425, 12.6682.



This preview shows how white text looks on a background with the XYZ color 30.1563, 38.4425,

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

30.1563, 38.4425, 12.6682

Protanopia

35.0289, 38.4328, 11.8754

Deuteranopia

38.8889, 38.0269, 13.0748



Tritanopia

37.2169, 38.2316, 47.5374

Trichromacy



Original Color

30.1563, 38.4425, 12.6682

Protanomaly

33.0663, 38.2425, 12.1173

Deuteranomaly

35.1161, 37.9139, 12.8644

Tritanomaly

33.8960, 37.9804, 30.7437

Monochromacy



Original Color

30.1563, 38.4425, 12.6682

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2560, 35.6369, 25.6533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1563, 38.4425, 12.6682 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(154, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(154, 176, 76)  
}
```

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(154, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 176, 76) }
```

Border

The CSS property to change the border of an element to XYZ 30.1563, 38.4425, 12.6682 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(154, 176, 76) }
```


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

```
.border{ border-color:rgb(154, 176, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 176, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(154, 176,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1563, 38.4425, 12.6682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 176, 76) }
```

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

```
.background{ background-color: rgb(154,  
176, 76) }
```

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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