

Converting Colors

XYZ(30.0468, 38.3891, 6.3217)

Have a look what the booklet for
XYZ(30.0468, 38.3891, 6.3217)
contains.

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Color

**XYZ(30.1161, 38.5617,
6.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B010
RGB	160, 176, 16
RGB Percent	63%, 69%, 6%
CMY	0.3726, 0.3098, 0.9372
CMYK	0.09, 0.00, 0.91, 0.31
HSL	66°, 83%, 38%
HSV	66°, 91%, 69%
XYZ	30.1161, 38.5617, 6.3461
YIQ	152.9760, 41.8240, -53.1520

Conversions

Conversions Part 2

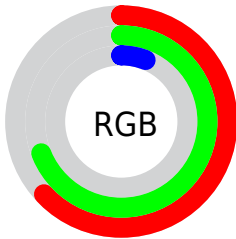
Format	Color
RYB	16, 176, 32
Decimal	10530832
CIELab	68.43, -23.06, 68.03
CIELCh	68, 71.833, 108.727
Yxy	38.5617, 0.4014, 0.5140
Android (android.graphics.Color)	4288720912 (0xFFA0B010)
YUV	152.9760, -67.5292, 6.1600
Hunter-Lab	62.0981, -22.1033, 37.4095

Details

The XYZ color **30.1161, 38.5617, 6.3461** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.6187, 3.8131, 41.3585**, and the grayscale version is **30.5413, 32.1319, 34.9916**.

A 20% lighter version of the original color is **59.0507, 72.6818, 19.1003**, and **12.9166, 17.3584, 2.6697** is the 20% darker color. If you saturate the color by 10%, you get **29.7051, 38.3620, 5.8390**, and if you desaturate by 10%, it is **30.6611, 38.8221, 7.3617**.

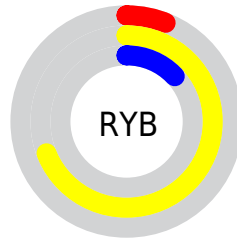
Distribution



Red (63%)

Green (69%)

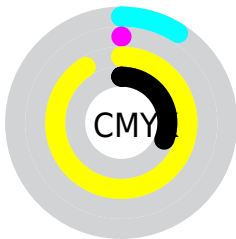
Blue (6%)



Red (6%)

Yellow (69%)

Blue (13%)

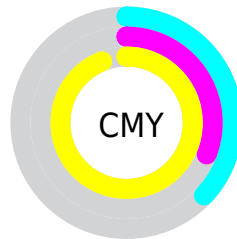


Cyan (9%)

Magenta (0%)

Yellow (91%)

Black (31%)



Cyan (37%)

Magenta (31%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1161, 38.5617, 6.3461 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 30.1161, 38.5617, 6.3461 by changing the saturation by 10% instead.

■ 30.1161, 38.5617,
6.3461

■ 30.1161, 38.5617,
6.3461

294.3454,
340.0234, 171.5333

■ 20.0752, 26.4189,
2.9845

■ 59.2311, 72.9683,
19.1351

■ 12.5583, 17.1373,
1.0867

■ 79.0360, 96.0008,
29.3995

■ 7.2000, 10.3324,
0.0000

■ 102.8262,
123.4322, 42.8019

■ 3.6349, 5.6199,
0.0000

■ 130.9671,
155.6466, 59.7609

■ 1.4978, 2.6154,
0.0000

■ 163.8242,
193.0285, 80.6950

■ 0.3243, 0.9344,
0.0000

■ 201.7627,

■ 0.0000, 0.0000,

235.9624, 106.0228

0.0000

245.1479,
284.8326, 136.1627

■ 30.1161, 38.5617,
6.3461

■ 30.1161, 38.5617,
6.3461

■ 29.7051, 38.3620,
5.8390

■ 30.6611, 38.8221,
7.3617

■ 31.3397, 39.1350,
9.0588

■ 32.1704, 39.5094,
11.5307

■ 33.1680, 39.9512,
14.8553

■ 34.3457, 40.4655,
19.1013

■ 35.7151, 41.0572,
24.3304

■ 37.2869, 41.7303,
30.5987

■ 39.0710, 42.4890,
37.9584

■ 41.0767, 43.3369,
46.4581

Harmonies

Analogous

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



41.0601, 38.5617, 5.7710



30.1161, 38.5617, 6.3461



22.6405, 38.5617, 12.8843

Triad

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



30.1161, 38.5617, 6.3461



24.1186, 38.5617, 108.1676



62.3217, 38.5617, 55.3473

Complementary

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



30.1161, 38.5617, 6.3461



8.6187, 3.8131, 41.3585

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.



55.5024, 38.5617, 97.7815



30.1161, 38.5617, 6.3461



32.5707, 38.5617, 137.1998

Square

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



30.1161, 38.5617, 6.3461



19.7006, 38.5617, 65.2710



44.0705, 38.5617, 132.6459



61.2871, 38.5617, 25.0262

Rectangle

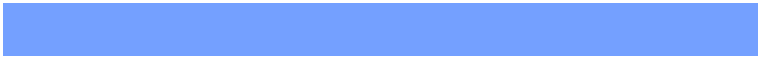
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.1161, 38.5617, 6.3461



19.9194, 38.5617, 23.2327



44.0705, 38.5617, 132.6459



60.8236, 38.5617, 68.8161

Sweetspot

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



30.1170, 38.5635, 6.3469



65.7068, 74.8614, 47.8056



18.5160, 10.3018, 1.5033



14.0437, 16.1395, 9.5884



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.



30.1170, 38.5635, 6.3469



53.7620, 69.5152, 10.5842



18.9290, 32.7958, 5.8233



9.1116, 9.8626, 9.0760



21.8219, 28.1597, 4.2852



0.7106, 0.8984, 0.1360

Inverse Universe

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



8.6187, 3.8131, 41.3585



14.5652, 5.8668, 74.8600



14.7056, 6.9510, 41.6433



8.1182, 8.2695, 10.6746



5.9518, 2.4041, 30.2873



0.2128, 0.0888, 0.9542

Previews

White Background



This preview shows how the XYZ color 30.1161, 38.5617, 6.3461 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 30.1161, 38.5617, 6.3461 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 30.1161, 38.5617, 6.3461

Background



This preview shows how black text looks on a background with the XYZ color 30.1161, 38.5617, 6.3461.



This preview shows how white text looks on a background with the XYZ color 30.1161, 38.5617,

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

30.1161, 38.5617, 6.3461

Protanopia

34.6241, 38.3553, 5.9263

Deuteranopia

39.0797, 38.2652, 6.7650



Tritanopia

38.4449, 38.6095, 47.0211

Trichromacy



Original Color

30.1161, 38.5617, 6.3461

Protanomaly

32.8075, 38.2435, 6.0334

Deuteranomaly

35.3912, 38.1959, 6.5441

Tritanomaly

33.4211, 37.6381, 22.6429

Monochromacy



Original Color

30.1161, 38.5617, 6.3461

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.9034, 33.5369, 17.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1161, 38.5617, 6.3461 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(160, 176, 16)` looks like.

```
.text, #text, p{  
    color:rgb(160, 176, 16)  
}
```

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(160, 176, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 176, 16) }
```

Border

The CSS property to change the border of an element to XYZ 30.1161, 38.5617, 6.3461 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(160, 176, 16) }
```


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

```
.border{ border-color:rgb(160, 176, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 176, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 176, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 176, 16);  
box-shadow:4px 4px 4px 4px rgb(160, 176,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1161, 38.5617, 6.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 176, 16) }
```

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

```
.background{ background-color: rgb(160,  
176, 16) }
```

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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