

Converting Colors

XYZ(30.6245, 40.3320, 6.1708)

Have a look what the booklet for
XYZ(30.6245, 40.3320, 6.1708)
contains.

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Color

**XYZ(30.6244, 40.3168,
6.1679)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB500
RGB	158, 181, 0
RGB Percent	62%, 71%, 0%
CMY	0.3804, 0.2902, 0.9999
CMYK	0.13, 0.00, 1.00, 0.29
HSL	68°, 100%, 35%
HSV	68°, 100%, 71%
XYZ	30.6244, 40.3168, 6.1679
YIQ	153.4890, 44.3930, -61.1670

Conversions

Conversions Part 2

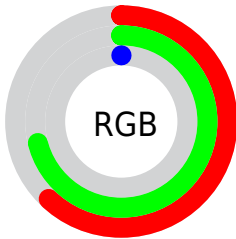
Format	Color
RYB	0, 181, 23
Decimal	10401024
CIELab	69.69, -26.60, 70.94
CIElCh	70, 75.760, 110.551
Yxy	40.3168, 0.3972, 0.5229
Android (android.graphics.Color)	4288591104 (0xFF9EB500)
YUV	153.4890, -75.6701, 3.9561
Hunter-Lab	63.4955, -25.0251, 38.6875

Details

The XYZ color **30.6244, 40.3168, 6.1679** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.6951, 3.5193, 43.9395**, and the grayscale version is **30.8002, 32.4043, 35.2882**.

A 20% lighter version of the original color is **60.0144, 75.7318, 18.8517**, and **13.1987, 18.2631, 2.8295** is the 20% darker color. If you saturate the color by 10%, you get **30.6247, 40.3183, 6.1681**, and if you desaturate by 10%, it is **31.1922, 40.5982, 6.7697**.

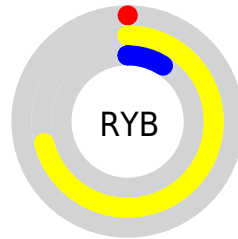
Distribution



Red (62%)

Green (71%)

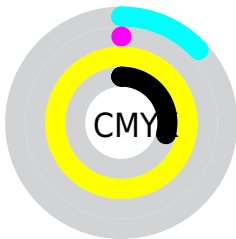
Blue (0%)



Red (0%)

Yellow (71%)

Blue (9%)

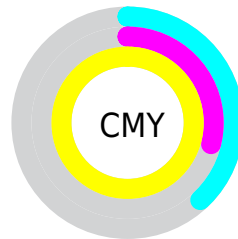


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (38%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6244, 40.3168, 6.1679 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 30.6244, 40.3168, 6.1679 by changing the saturation by 10% instead.


 30.6244, 40.3168,
6.1679


 30.6244, 40.3168,
6.1679


296.6621,
347.4570, 169.9182

 20.4634, 27.7856,
2.8770


 60.0281, 75.6457,
18.7621


 12.8426, 18.1641,
1.0322


 80.0016, 99.2122,
28.9024

 7.3965, 11.0679,
0.0000


 103.9766,
127.2259, 42.1630

 3.7598, 6.1125,
0.0000

 132.3184,
160.0713, 58.9623

 1.5672, 2.9136,
0.0000

 165.3926,
198.1327, 79.7190

 0.3709, 1.0868,
0.0000

 203.5643,

 0.0000, 0.0000,

241.7945, 104.8515

0.0000

247.1990,
291.4412, 134.7784

■ 30.6244, 40.3168,
6.1679

■ 30.6244, 40.3168,
6.1679

■ 30.6247, 40.3183,
6.1681

■ 31.1922, 40.5982,
6.7697

■ 31.8693, 40.9228,
7.9060

■ 32.6948, 41.3077,
9.7798

■ 33.6875, 41.7605,
12.4884

■ 34.8629, 42.2875,
16.1148

■ 36.2351, 42.8941,
20.7315

■ 37.8165, 43.5854,
26.4040

■ 39.6184, 44.3659,
33.1924

■ 41.6515, 45.2399,
41.1518

Harmonies

Analogous

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



42.3225, 40.3168, 5.2984



30.6244, 40.3168, 6.1679



22.8440, 40.3168, 13.4527

Triad

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



30.6244, 40.3168, 6.1679



25.2059, 40.3168, 119.4140



66.6018, 40.3168, 55.9432

Complementary

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



30.6244, 40.3168, 6.1679



8.6951, 3.5193, 43.9395

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.



59.5631, 40.3168, 102.3015



30.6244, 40.3168, 6.1679



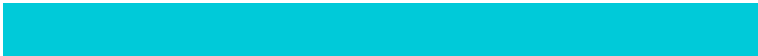
34.5780, 40.3168, 149.8824

Square

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



30.6244, 40.3168, 6.1679



20.2105, 40.3168, 72.1263



47.2073, 40.3168, 142.3454



64.9096, 40.3168, 24.2039

Rectangle

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



30.6244, 40.3168, 6.1679



20.1094, 40.3168, 25.0341



47.2073, 40.3168, 142.3454



65.1303, 40.3168, 70.4397

Sweetspot

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



30.6253, 40.3186, 6.1687



67.5703, 77.9890, 46.7183



19.3279, 10.3657, 0.9827



14.3423, 16.7419, 9.1451



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.6253, 40.3186, 6.1687



54.7100, 72.1357, 11.0401



19.0074, 34.3294, 5.6250



9.0887, 9.8508, 9.0749



21.1515, 27.8141, 4.2538



0.6950, 0.8904, 0.1352

Inverse Universe

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



8.6951, 3.5193, 43.9395



15.4678, 6.2484, 78.6854



14.9759, 6.7572, 44.2334



8.1391, 8.2802, 10.6756



6.0272, 2.4429, 30.2909



0.2215, 0.0933, 0.9546

Previews

White Background



This preview shows how the XYZ color 30.6244, 40.3168, 6.1679 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 30.6244, 40.3168, 6.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

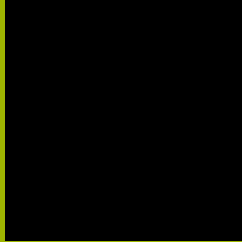
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6244, 40.3168, 6.1679

Background



This preview shows how black text looks on a background with the XYZ color 30.6244, 40.3168, 6.1679.



This preview shows how white text looks on a background with the XYZ color 30.6244, 40.3168,

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

30.6244, 40.3168, 6.1679

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

40.7237, 39.8848, 6.8485



Tritanopia

39.4594, 40.1533, 49.9266

Trichromacy



Original Color

30.6244, 40.3168, 6.1679

Protanomaly

33.9584, 39.9754, 5.9262

Deuteranomaly

36.3770, 39.5251, 6.3737

Tritanomaly

34.0323, 39.3636, 22.3272

Monochromacy



Original Color

30.6244, 40.3168, 6.1679

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.7724, 34.0260, 16.3605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6244, 40.3168, 6.1679 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(158, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 181, 0)  
}
```

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(158, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.6244, 40.3168, 6.1679 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(158, 181, 0) }
```


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

```
.border{ border-color:rgb(158, 181, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6244, 40.3168, 6.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 181, 0) }
```

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

```
.background{ background-color: rgb(158,  
181, 0) }
```

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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