

Converting Colors

XYZ(30.7889, 40.5483, 6.8208)

Have a look what the booklet for
XYZ(30.7889, 40.5483, 6.8208)
contains.

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Color

**XYZ(30.9460, 40.7720,
6.8549)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB613
RGB	158, 182, 19
RGB Percent	62%, 71%, 7%
CMY	0.3804, 0.2863, 0.9254
CMYK	0.13, 0.00, 0.90, 0.29
HSL	69°, 81%, 39%
HSV	69°, 90%, 71%
XYZ	30.9460, 40.7720, 6.8549
YIQ	156.2420, 38.0190, -55.7810

Conversions

Conversions Part 2

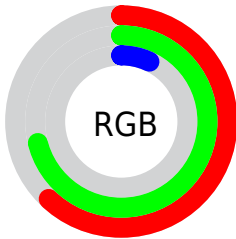
Format	Color
RYB	19, 182, 43
Decimal	10401299
CIELab	70.02, -26.78, 68.74
CIELCh	70, 73.774, 111.288
Yxy	40.7720, 0.3939, 0.5189
Android (android.graphics.Color)	4288591379 (0xFF9EB613)
YUV	156.2420, -67.6603, 1.5418
Hunter-Lab	63.8530, -25.2336, 38.3320

Details

The XYZ color **30.9460, 40.7720, 6.8549** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.6741, 4.3578, 44.5897**, and the grayscale version is **31.9907, 33.6567, 36.6522**.

A 20% lighter version of the original color is **60.5331, 76.4039, 20.1513**, and **13.3297, 18.5253, 2.8732** is the 20% darker color. If you saturate the color by 10%, you get **30.3121, 40.4597, 6.2352**, and if you desaturate by 10%, it is **31.6997, 41.1365, 8.0373**.

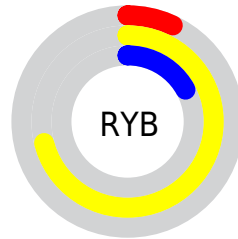
Distribution



Red (62%)

Green (71%)

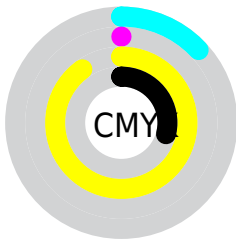
Blue (7%)



Red (7%)

Yellow (71%)

Blue (17%)

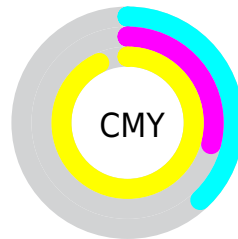


Cyan (13%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (38%)


Magenta (29%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9460, 40.7720, 6.8549 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 30.9460, 40.7720, 6.8549 by changing the saturation by 10% instead.


 30.9460, 40.7720,
6.8549


 30.9460, 40.7720,
6.8549


298.1208,
349.3668, 176.0375


 20.7094, 28.1410,
3.2945

 60.5315, 76.3377,
20.1886


 13.0230, 18.4320,
1.2469


 80.6110, 100.0411,
30.7989


 7.5215, 11.2606,
0.0177

 104.7022,
128.2041, 44.5962

 3.8395, 6.2424,
0.0000

 133.1704,
161.2111, 61.9992

 1.6117, 2.9930,
0.0000

 166.3811,
199.4465, 83.4262

 0.4000, 1.1281,
0.0000

 204.6994,

 0.0000, 0.0018,

243.2946, 109.2959

0.0000

248.4909,
293.1399, 140.0268

■ 0.0000, 0.0000,
0.0000

■ 30.9460, 40.7720,
6.8549

■ 30.9460, 40.7720,
6.8549

■ 30.3121, 40.4597,
6.2352

■ 31.6997, 41.1365,
8.0373

■ 30.2847, 40.4460,
6.2107

■ 32.6066, 41.5622,
9.9705

■ 33.6864, 42.0584,
12.7533

■ 34.9551, 42.6315,
16.4692

■ 36.4265, 43.2871,
21.1916

■ 38.1134, 44.0301,
26.9866

■ 40.0272, 44.8654,
33.9145

■ 42.1787, 45.7971,
42.0314

■ 44.5779, 46.8293,
51.3896

Harmonies

Analogous

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



42.3631, 40.7720, 5.8296



30.9460, 40.7720, 6.8549



23.3593, 40.7720, 14.5134

Triad

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



30.9460, 40.7720, 6.8549



26.0107, 40.7720, 118.7532



66.4112, 40.7720, 55.2038

Complementary

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



30.9460, 40.7720, 6.8549



9.6741, 4.3578, 44.5897

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.



59.7512, 40.7720, 100.0554



30.9460, 40.7720, 6.8549



35.3532, 40.7720, 147.3603

Square

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



30.9460, 40.7720, 6.8549



20.9472, 40.7720, 73.0527



47.7726, 40.7720, 139.1590



64.5507, 40.7720, 24.4232

Rectangle

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



30.9460, 40.7720, 6.8549



20.7120, 40.7720, 26.3511



47.7726, 40.7720, 139.1590



65.0518, 40.7720, 69.2204

Sweetspot

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



30.9469, 40.7739, 6.8558



69.7880, 80.1252, 51.3833



20.1943, 11.5610, 1.7838



15.1681, 17.5894, 10.4785



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.9469, 40.7739, 6.8558



54.7450, 73.2429, 11.2519



20.0525, 35.1576, 6.3459



9.6167, 10.4346, 9.6141



21.4293, 28.5835, 4.3877



0.7912, 1.0261, 0.1564

Inverse Universe

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



9.6741, 4.3578, 44.5897



15.9987, 6.4793, 80.6431



16.7373, 7.9990, 44.9203



8.6409, 8.7813, 11.3190



6.3140, 2.5662, 31.4156



0.2619, 0.1107, 1.1093

Previews

White Background



This preview shows how the XYZ color 30.9460, 40.7720, 6.8549 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 30.9460, 40.7720, 6.8549 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 30.9460, 40.7720, 6.8549

Background



This preview shows how black text looks on a background with the XYZ color 30.9460, 40.7720, 6.8549.



This preview shows how white text looks on a background with the XYZ color 30.9460, 40.7720,

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

30.9460, 40.7720, 6.8549

Protanopia

36.6415, 40.4978, 6.3376

Deuteranopia

41.2631, 40.4151, 7.2952



Tritanopia

39.7485, 40.5655, 50.5347

Trichromacy



Original Color

30.9460, 40.7720, 6.8549

Protanomaly

34.2459, 40.4007, 6.4834

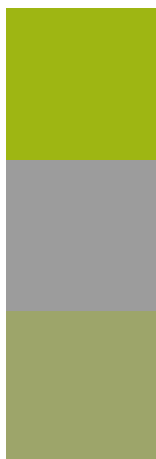
Deuteranomaly

36.6704, 39.9390, 7.0046

Tritanomaly

34.6476, 39.9177, 24.6176

Monochromacy



Original Color

30.9460, 40.7720, 6.8549

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.9613, 35.1190, 18.8352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9460, 40.7720, 6.8549 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, 182, 19)` looks like.

```
.text, #text, p{  
    color:rgb(158, 182, 19)  
}
```

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, 182, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 182, 19) }
```

Border

The CSS property to change the border of an element to XYZ 30.9460, 40.7720, 6.8549 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, 182, 19) }
```


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

```
.border{ border-color:rgb(158, 182, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 182, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 182, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 182, 19);  
box-shadow:4px 4px 4px 4px rgb(158, 182,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9460, 40.7720, 6.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 182, 19) }
```

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

```
.background{ background-color: rgb(158,  
182, 19) }
```

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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