

Converting Colors

XYZ(30.2707, 40.1496, 6.1542)

Have a look what the booklet for
XYZ(30.2707, 40.1496, 6.1542)
contains.

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Color

**XYZ(30.2342, 40.1157,
6.1496)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB500
RGB	156, 181, 0
RGB Percent	61%, 71%, 0%
CMY	0.3882, 0.2902, 0.9999
CMYK	0.14, 0.00, 1.00, 0.29
HSL	68°, 100%, 35%
HSV	68°, 100%, 71%
XYZ	30.2342, 40.1157, 6.1496
YIQ	152.8910, 43.2010, -61.5910

Conversions

Conversions Part 2

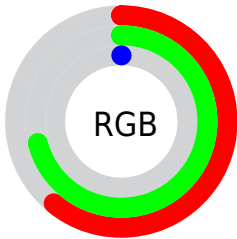
Format	Color
RYB	0, 181, 25
Decimal	10269952
CIELab	69.55, -27.44, 70.77
CIELCh	70, 75.903, 111.195
Yxy	40.1157, 0.3952, 0.5244
Android (android.graphics.Color)	4288460032 (0xFF9CB500)
YUV	152.8910, -75.3753, 2.7266
Hunter-Lab	63.3370, -25.6318, 38.5792

Details

The XYZ color **30.2342, 40.1157, 6.1496** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.7427, 3.5438, 43.9418**, and the grayscale version is **30.5372, 32.1275, 34.9869**.

A 20% lighter version of the original color is **59.4270, 75.4290, 18.8243**, and **12.9747, 18.1477, 2.8190** is the 20% darker color. If you saturate the color by 10%, you get **30.2345, 40.1172, 6.1499**, and if you desaturate by 10%, it is **30.8341, 40.4136, 6.7529**.

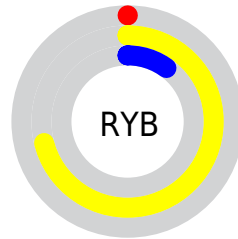
Distribution



Red (61%)

Green (71%)

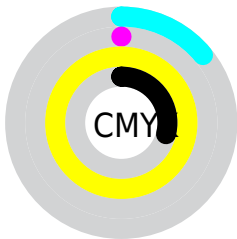
Blue (0%)



Red (0%)

Yellow (71%)

Blue (10%)

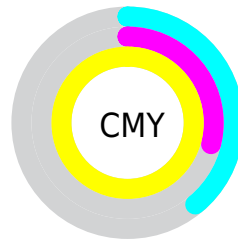


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (39%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2342, 40.1157, 6.1496 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 30.2342, 40.1157, 6.1496 by changing the saturation by 10% instead.


 30.2342, 40.1157,
6.1496


 30.2342, 40.1157,
6.1496


294.8849,
346.6110, 169.7512


 20.1654, 27.6288,
2.8660


 59.4164, 75.3397,
18.7236


 12.6243, 18.0460,
1.0266


 79.2606, 98.8455,
28.8511


 7.2455, 10.9830,
0.0000


 103.0938,
126.7931, 42.0970

 3.6638, 6.0554,
0.0000

 131.2816,
159.5668, 58.8798

 1.5138, 2.8788,
0.0000

 164.1893,
197.5510, 79.6181

 0.3352, 1.0688,
0.0000

 202.1821,

 0.0000, 0.0000,

241.1302, 104.7304

0.0000

245.6255,
290.6887, 134.6352

■ 30.2342, 40.1157,
6.1496

■ 30.2342, 40.1157,
6.1496

■ 30.2345, 40.1172,
6.1499

■ 30.8341, 40.4136,
6.7529

■ 31.5448, 40.7555,
7.8907

■ 32.4054, 41.1586,
9.7660

■ 33.4347, 41.6303,
12.4763

■ 34.6484, 42.1769,
16.1043

■ 36.0603, 42.8040,
20.7228

■ 37.6829, 43.5166,
26.3972

■ 39.5277, 44.3192,
33.1875

■ 41.6053, 45.2162,
41.1489

Harmonies

Analogous

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



41.8476, 40.1157, 5.1855



30.2342, 40.1157, 6.1496



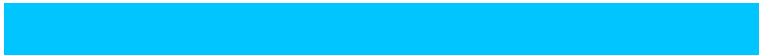
22.5666, 40.1157, 13.5846

Triad

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



30.2342, 40.1157, 6.1496



25.1954, 40.1157, 120.1142



66.4494, 40.1157, 54.8353

Complementary

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



30.2342, 40.1157, 6.1496



8.7427, 3.5438, 43.9418

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.



59.5770, 40.1157, 101.0271



30.2342, 40.1157, 6.1496



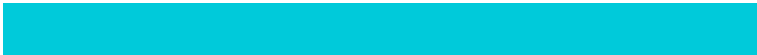
34.6371, 40.1157, 149.9433

Square

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



30.2342, 40.1157, 6.1496



20.1202, 40.1157, 72.8746



47.2903, 40.1157, 141.5344



64.5630, 40.1157, 23.5547

Rectangle

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



30.2342, 40.1157, 6.1496



19.9017, 40.1157, 25.3493



47.2903, 40.1157, 141.5344



65.0412, 40.1157, 69.2201

Sweetspot

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



30.2351, 40.1175, 6.1504



67.3274, 77.8638, 46.7069



19.3870, 10.4838, 1.0023



14.2831, 16.7114, 9.1424



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.



30.2351, 40.1175, 6.1504



54.0018, 71.7706, 11.0069



18.7974, 34.2212, 5.6152



9.0793, 9.8460, 9.0745



20.8853, 27.6768, 4.2414



0.6888, 0.8871, 0.1349

Inverse Universe

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



8.7427, 3.5438, 43.9418



15.5462, 6.2888, 78.6891



15.3646, 6.9575, 44.2517



8.1476, 8.2846, 10.6760



6.0620, 2.4609, 30.2925



0.2250, 0.0951, 0.9547

Previews

White Background



This preview shows how the XYZ color 30.2342, 40.1157, 6.1496 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 30.2342, 40.1157, 6.1496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

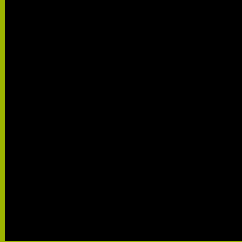
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2342, 40.1157, 6.1496

Background



This preview shows how black text looks on a background with the XYZ color 30.2342, 40.1157, 6.1496.



This preview shows how white text looks on a background with the XYZ color 30.2342, 40.1157,

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

30.2342, 40.1157, 6.1496

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

40.7237, 39.8848, 6.8485



Tritanopia

39.0237, 39.9287, 49.9062

Trichromacy



Original Color

30.2342, 40.1157, 6.1496

Protanomaly

33.4961, 39.7371, 5.9046

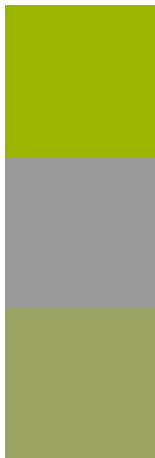
Deuteranomaly

36.1212, 39.3932, 6.3617

Tritanomaly

33.6130, 39.1474, 22.3076

Monochromacy



Original Color

30.2342, 40.1157, 6.1496

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.5813, 33.9275, 16.3515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2342, 40.1157, 6.1496 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(156, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2342, 40.1157, 6.1496 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(156, 181, 0) }
```


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

```
.border{ border-color:rgb(156, 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(156, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2342, 40.1157, 6.1496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 181, 0) }
```

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

```
.background{ background-color: rgb(156,  
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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