

Converting Colors

XYZ(30.2105, 43.3122, 6.7678)

Have a look what the booklet for
XYZ(30.2105, 43.3122, 6.7678)
contains.

XYZ(30.1324, 43.1909, 6.7485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(30.1324, 43.1909,
6.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	90BF00
RGB	144, 191, 0
RGB Percent	56%, 75%, 0%
CMY	0.4353, 0.2510, 0.9999
CMYK	0.25, 0.00, 1.00, 0.25
HSL	75°, 100%, 37%
HSV	75°, 100%, 75%
XYZ	30.1324, 43.1909, 6.7485
YIQ	155.1730, 33.2990, -69.3650

Conversions

Conversions Part 2

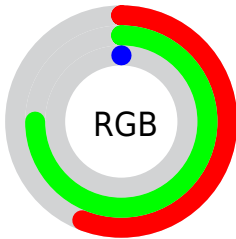
Format	Color
RYB	0, 191, 47
Decimal	9486080
CIELab	71.68, -37.02, 72.03
CIELCh	72, 80.986, 117.199
Yxy	43.1909, 0.3763, 0.5394
Android (android.graphics.Color)	4287676160 (0xFF90BF00)
YUV	155.1730, -76.5003, -9.7987
Hunter-Lab	65.7198, -33.1677, 39.9156

Details

The XYZ color **30.1324, 43.1909, 6.7485** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **10.5781, 4.3671, 49.5782**, and the grayscale version is **31.5525, 33.1957, 36.1501**.

A 20% lighter version of the original color is **59.3725, 80.2705, 19.9539**, and **12.8761, 19.9176, 3.1658** is the 20% darker color. If you saturate the color by 10%, you get **30.1324, 43.1924, 6.7488**, and if you desaturate by 10%, it is **31.0902, 43.6724, 7.4125**.

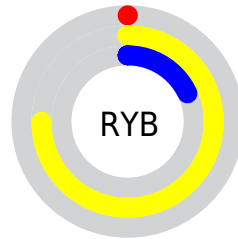
Distribution



Red (56%)

Green (75%)

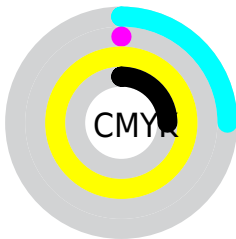
Blue (0%)



Red (0%)

Yellow (75%)

Blue (18%)

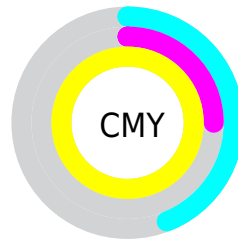


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (44%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1324, 43.1909, 6.7485 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 30.1324, 43.1909, 6.7485 by changing the saturation by 10% instead.


 30.1324, 43.1909,
6.7485


 30.1324, 43.1909,
6.7485


294.4199,
359.3963, 175.1081

 20.0877, 30.0349,
3.2293


 59.2567, 79.9989,
19.9696


 12.5674, 19.8651,
1.2129

 79.0670, 104.4196,
30.5086

 7.2063, 12.2970,
0.0000


 102.8631,
133.3641, 44.2246

 3.6389, 6.9463,
0.0000

 131.0106,
167.2167, 61.5360

 1.5000, 3.4285,
0.0000

 163.8746,
206.3619, 82.8616

 0.3258, 1.3593,
0.0000

 201.8206,

 0.0000, 0.1865,

251.1839, 108.6198

0.0000

245.2139,
302.0672, 139.2291

■ 0.0000, 0.0000,
0.0000

■ 30.1324, 43.1909,
6.7485

■ 30.1324, 43.1909,
6.7485

■ 30.1324, 43.1924,
6.7488

■ 31.0902, 43.6724,
7.4125

■ 32.1980, 44.2163,
8.6900

■ 33.4990, 44.8417,
10.8027

■ 35.0150, 45.5570,
13.8624

■ 36.7643, 46.3698,
17.9638

■ 38.7630, 47.2866,
23.1901

■ 41.0257, 48.3132,
29.6161

■ 43.5657, 49.4549,
37.3101

■ 46.3955, 50.7169,
46.3353

Harmonies

Analogous

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



42.3548, 43.1909, 4.7268



30.1324, 43.1909, 6.7485



22.6253, 43.1909, 16.8177

Triad

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



30.1324, 43.1909, 6.7485



28.3512, 43.1909, 143.4525



73.4529, 43.1909, 50.8183

Complementary

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



30.1324, 43.1909, 6.7485



10.5781, 4.3671, 49.5782

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.



67.4684, 43.1909, 100.9997



30.1324, 43.1909, 6.7485



39.7755, 43.1909, 170.1069

Square

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



30.1324, 43.1909, 6.7485



21.7694, 43.1909, 90.7213



54.3337, 43.1909, 151.3615



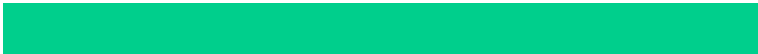
69.2803, 43.1909, 20.2508

Rectangle

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



30.1324, 43.1909, 6.7485



20.3208, 43.1909, 32.1912



54.3337, 43.1909, 151.3615



72.5366, 43.1909, 65.8389

Sweetspot

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



30.1334, 43.1928, 6.7494



73.2656, 86.4308, 52.4301



22.4096, 12.9221, 1.3137



15.6978, 18.8026, 10.3851



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.1334, 43.1928, 6.7494



53.7326, 77.2342, 12.0757



19.9945, 37.9661, 6.2749



10.0866, 10.9991, 10.1680



19.8776, 28.4231, 4.4386



0.8345, 1.1422, 0.1765

Inverse Universe

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



10.5781, 4.3671, 49.5782



18.7595, 7.7252, 88.7815



20.2326, 9.3442, 50.0300



9.2306, 9.3357, 11.9877



7.0135, 2.9017, 32.5833



0.3364, 0.1454, 1.2792

Previews

White Background



This preview shows how the XYZ color 30.1324, 43.1909, 6.7485 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 30.1324, 43.1909, 6.7485 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 30.1324, 43.1909, 6.7485

Background



This preview shows how black text looks on a background with the XYZ color 30.1324, 43.1909, 6.7485.



This preview shows how white text looks on a background with the XYZ color 30.1324, 43.1909,

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

30.1324, 43.1909, 6.7485

Deuteranopia

43.7584, 42.7659, 7.5384

Tritanopia

40.1328, 43.2236, 56.0969

Trichromacy



Original Color

30.1324, 43.1909, 6.7485

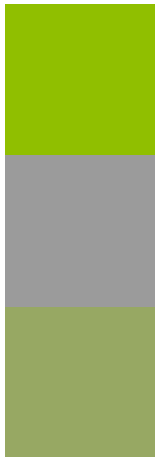
Deuteranomaly

37.4671, 42.0553, 6.9018

Tritanomaly

33.9639, 42.2407, 24.7755

Monochromacy



Original Color

30.1324, 43.1909, 6.7485

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.0173, 35.4854, 17.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1324, 43.1909, 6.7485 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(144, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 191, 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(144, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.1324, 43.1909, 6.7485 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(144, 191, 0) }
```

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

```
.border{ border-color:rgb(144, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 191,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 30.1324, 43.1909, 6.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 191, 0) }
```

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

```
.background{ background-color: rgb(144,  
191, 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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