

Converting Colors

XYZ(29.0654, 40.3053, 6.2478)

Have a look what the booklet for
XYZ(29.0654, 40.3053, 6.2478)
contains.

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Color

**XYZ(29.1731, 40.4840,
6.2766)**

Conversions

Conversions Part 1

Format	Color
Hex	93B800
RGB	147, 184, 0
RGB Percent	58%, 72%, 0%
CMY	0.4235, 0.2784, 0.9999
CMYK	0.20, 0.00, 1.00, 0.28
HSL	72°, 100%, 36%
HSV	72°, 100%, 72%
XYZ	29.1731, 40.4840, 6.2766
YIQ	151.9610, 37.0120, -65.0680

Conversions

Conversions Part 2

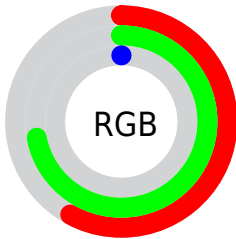
Format	Color
RYB	0, 184, 37
Decimal	9680896
CIELab	69.81, -32.61, 70.69
CIElCh	70, 77.852, 114.762
Yxy	40.4840, 0.3842, 0.5331
Android (android.graphics.Color)	4287870976 (0xFF93B800)
YUV	151.9610, -74.9168, -4.3508
Hunter-Lab	63.6270, -29.5048, 38.6902

Details

The XYZ color **29.1731, 40.4840, 6.2766** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.4162, 3.8550, 45.5976**, and the grayscale version is **30.1321, 31.7013, 34.5227**.

A 20% lighter version of the original color is **57.7482, 75.8638, 18.9967**, and **12.4307, 18.4567, 2.9073** is the 20% darker color. If you saturate the color by 10%, you get **29.1732, 40.4854, 6.2769**, and if you desaturate by 10%, it is **29.9610, 40.8785, 6.9016**.

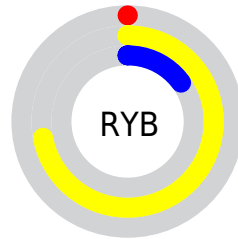
Distribution



Red (58%)

Green (72%)

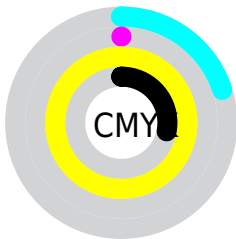
Blue (0%)



Red (0%)

Yellow (72%)

Blue (15%)

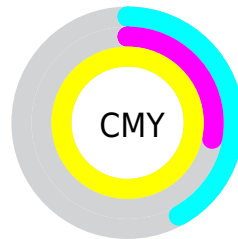


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (42%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1731, 40.4840, 6.2766 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 29.1731, 40.4840, 6.2766 by changing the saturation by 10% instead.


 29.1731, 40.4840,
6.2766


 29.1731, 40.4840,
6.2766


290.0103,
348.1594, 170.9058

 19.3567, 27.9161,
2.9425


 57.7477, 75.9000,
18.9898

 12.0339, 18.2624,
1.0653


 77.2366, 99.5168,
29.2061

 6.8391, 11.1386,
0.0000


 100.6804,
127.5855, 42.5534

 3.4071, 6.1601,
0.0000

 128.4444,
160.4903, 59.4504

 1.3725, 2.9427,
0.0000

 160.8941,
198.6157, 80.3156

 0.2365, 1.1019,
0.0000

 198.3947,

 0.0000, 0.0000,

242.3461, 105.5676

0.0000

241.3117,
292.0659, 135.6248

■ 29.1731, 40.4840,
6.2766

■ 29.1731, 40.4840,
6.2766

■ 29.1732, 40.4854,
6.2769

■ 29.9610, 40.8785,
6.9016

■ 30.8754, 41.3247,
8.0846

■ 31.9569, 41.8402,
10.0338

■ 33.2250, 42.4329,
12.8510

■ 34.6961, 43.1093,
16.6223

■ 36.3850, 43.8755,
21.4236

■ 38.3047, 44.7365,
27.3230

■ 40.4673, 45.6973,
34.3829

■ 42.8838, 46.7624,
42.6610

Harmonies

Analogous

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



40.7400, 40.4840, 4.7543



29.1731, 40.4840, 6.2766



21.8503, 40.4840, 14.8873

Triad

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



29.1731, 40.4840, 6.2766



26.0937, 40.4840, 128.8376



68.0995, 40.4840, 50.7433

Complementary

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



29.1731, 40.4840, 6.2766



9.4162, 3.8550, 45.5976

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.



61.9302, 40.4840, 97.6513



29.1731, 40.4840, 6.2766



36.3029, 40.4840, 156.0244

Square

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



29.1731, 40.4840, 6.2766



20.3642, 40.4840, 80.1200



49.5788, 40.4840, 142.2659



65.0270, 40.4840, 20.8869

Rectangle

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



29.1731, 40.4840, 6.2766



19.4748, 40.4840, 28.2039



49.5788, 40.4840, 142.2659



67.0041, 40.4840, 65.0153

Sweetspot

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



29.1740, 40.4858, 6.2775



69.2454, 81.0087, 48.9299



20.4242, 11.5026, 1.1443



14.6048, 17.3192, 9.5397



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.



29.1740, 40.4858, 6.2775



52.6810, 73.2836, 11.3686



18.7288, 35.1011, 5.7886



9.5685, 10.4097, 9.6119



20.1635, 27.9310, 4.3285



0.7564, 1.0081, 0.1547

Inverse Universe

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



9.4162, 3.8550, 45.5976



16.9125, 6.9070, 82.6464



17.6766, 8.1134, 45.9842



8.6853, 8.8041, 11.3210



6.5364, 2.6808, 31.4260



0.2808, 0.1205, 1.1102

Previews

White Background



This preview shows how the XYZ color 29.1731, 40.4840, 6.2766 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 29.1731, 40.4840, 6.2766 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 29.1731, 40.4840, 6.2766

Background



This preview shows how black text looks on a background with the XYZ color 29.1731, 40.4840, 6.2766.



This preview shows how white text looks on a background with the XYZ color 29.1731, 40.4840,

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

29.1731, 40.4840, 6.2766

Protanopia

36.3011, 40.3323, 5.8716

Deuteranopia

40.7509, 39.8957, 6.9917



Tritanopia

38.2202, 40.3100, 51.6651

Trichromacy



Original Color

29.1731, 40.4840, 6.2766

Protanomaly

33.4298, 40.2808, 6.0130

Deuteranomaly

35.5585, 39.3772, 6.4359

Tritanomaly

32.7000, 39.5268, 23.0455

Monochromacy



Original Color

29.1731, 40.4840, 6.2766

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.0108, 33.8980, 16.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1731, 40.4840, 6.2766 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(147, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 184, 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(147, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1731, 40.4840, 6.2766 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(147, 184, 0) }
```


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

```
.border{ border-color:rgb(147, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1731, 40.4840, 6.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 184, 0) }
```

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

```
.background{ background-color: rgb(147,  
184, 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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