

Converting Colors

XYZ(27.8302, 40.1012, 6.2735)

Have a look what the booklet for
XYZ(27.8302, 40.1012, 6.2735)
contains.

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Color

**XYZ(27.8302, 40.1012,
6.2735)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB900
RGB	138, 185, 0
RGB Percent	54%, 73%, 0%
CMY	0.4588, 0.2745, 0.9999
CMYK	0.25, 0.00, 1.00, 0.27
HSL	75°, 100%, 36%
HSV	75°, 100%, 73%
XYZ	27.8302, 40.1012, 6.2735
YIQ	149.8570, 31.3730, -67.4990

Conversions

Conversions Part 2

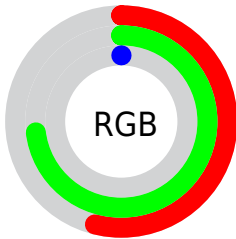
Format	Color
RYB	0, 185, 47
Decimal	9091328
CIELab	69.54, -36.69, 70.24
CIELCh	70, 79.246, 117.584
Yxy	40.1012, 0.3750, 0.5404
Android (android.graphics.Color)	4287281408 (0xFF8AB900)
YUV	149.8570, -73.8795, -10.3986
Hunter-Lab	63.3255, -32.3727, 38.4541

Details

The XYZ color **27.8302, 40.1012, 6.2735** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.9310, 4.1083, 46.1709**, and the grayscale version is **29.2248, 30.7468, 33.4832**.

A 20% lighter version of the original color is **55.6315, 75.2109, 18.9822**, and **11.7309, 18.2964, 2.9133** is the 20% darker color. If you saturate the color by 10%, you get **27.8302, 40.1025, 6.2738**, and if you desaturate by 10%, it is **28.7392, 40.5581, 6.9086**.

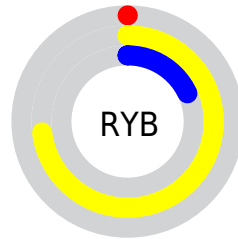
Distribution



Red (54%)

Green (73%)

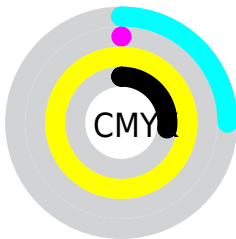
Blue (0%)



Red (0%)

Yellow (73%)

Blue (18%)

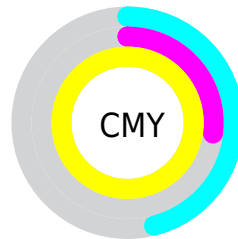


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (46%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8302, 40.1012, 6.2735 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 27.8302, 40.1012, 6.2735 by changing the saturation by 10% instead.


 27.8302, 40.1012,
6.2735


 27.8302, 40.1012,
6.2735


283.7495,
346.5499, 170.8778


 18.3375, 27.6175,
2.9406


 55.6238, 75.3176,
18.9834

 11.2937, 18.0375,
1.0644


 74.6554, 98.8190,
29.1974

 6.3335, 10.9769,
0.0000


 97.5973, 126.7618,
42.5423

 3.0915, 6.0513,
0.0000

 124.8149,
159.5304, 59.4365

 1.2023, 2.8763,
0.0000

 156.6736,
197.5091, 80.2987

 0.1082, 1.0675,
0.0000

 193.5387,

 0.0000, 0.0000,

241.0823, 105.5472

0.0000

235.7755,
290.6344, 135.6007

■ 27.8302, 40.1012,
6.2735

■ 27.8302, 40.1012,
6.2735

■ 27.8302, 40.1025,
6.2738

■ 28.7392, 40.5581,
6.9086

■ 29.7888, 41.0736,
8.1099

■ 31.0201, 41.6659,
10.0876

■ 32.4529, 42.3427,
12.9448

■ 34.1043, 43.1112,
16.7689

■ 35.9893, 43.9771,
21.6368

■ 38.1213, 44.9460,
27.6176

■ 40.5128, 46.0229,
34.7745

■ 43.1751, 47.2125,
43.1659

Harmonies

Analogous

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



39.1604, 40.1012, 4.3382



27.8302, 40.1012, 6.2735



20.9052, 40.1012, 15.7576

Triad

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



27.8302, 40.1012, 6.2735



26.4004, 40.1012, 134.1046



68.3189, 40.1012, 46.6982

Complementary

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



27.8302, 40.1012, 6.2735



9.9310, 4.1083, 46.1709

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.



62.8531, 40.1012, 93.3043



27.8302, 40.1012, 6.2735



37.0883, 40.1012, 158.4902

Square

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



27.8302, 40.1012, 6.2735



20.2186, 40.1012, 85.0353



50.6648, 40.1012, 140.4721



64.3103, 40.1012, 18.5088

Rectangle

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



27.8302, 40.1012, 6.2735



18.7993, 40.1012, 30.2113



50.6648, 40.1012, 140.4721



67.5063, 40.1012, 60.6121

Sweetspot

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



27.8311, 40.1030, 6.2744



68.0693, 80.4024, 48.8749



20.9961, 12.2897, 1.2661



14.3203, 17.1726, 9.5264



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.



27.8311, 40.1030, 6.2744



49.6142, 71.7026, 11.2251



18.4887, 35.2868, 5.8371



9.5214, 10.3854, 9.6097



19.0188, 27.3409, 4.2749



0.7241, 0.9915, 0.1532

Inverse Universe

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



9.9310, 4.1083, 46.1709



17.6024, 7.2626, 82.6787



19.3647, 8.9715, 46.6124



8.7293, 8.8268, 11.3231



6.8194, 2.8267, 31.4393



0.2994, 0.1301, 1.1111

Previews

White Background



This preview shows how the XYZ color 27.8302, 40.1012, 6.2735 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 27.8302, 40.1012, 6.2735 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 27.8302, 40.1012, 6.2735

Background



This preview shows how black text looks on a background with the XYZ color 27.8302, 40.1012, 6.2735.



This preview shows how white text looks on a background with the XYZ color 27.8302, 40.1012,

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

27.8302, 40.1012, 6.2735

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

40.4742, 39.7514, 7.0529



Tritanopia

37.1330, 40.0188, 52.2217

Trichromacy



Original Color

27.8302, 40.1012, 6.2735

Protanomaly

32.3432, 39.4306, 5.9062

Deuteranomaly

34.7692, 39.2465, 6.5018

Tritanomaly

31.3866, 39.1418, 23.0404

Monochromacy



Original Color

27.8302, 40.1012, 6.2735

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.0168, 33.1316, 15.7976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8302, 40.1012, 6.2735 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(138, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 185, 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(138, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 185, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8302, 40.1012, 6.2735 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(138, 185, 0) }
```


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

```
.border{ border-color:rgb(138, 185, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 185, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 185,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8302, 40.1012, 6.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 185, 0) }
```

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

```
.background{ background-color: rgb(138,  
185, 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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