

Converting Colors

XYZ(32.7409, 51.7009, 8.2537)

Have a look what the booklet for
XYZ(32.7409, 51.7009, 8.2537)
contains.

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Color

**XYZ(32.9036, 51.9123,
8.2859)**

Conversions

Conversions Part 1

Format	Color
Hex	83D400
RGB	131, 212, 0
RGB Percent	51%, 83%, 0%
CMY	0.4863, 0.1686, 0.9999
CMYK	0.38, 0.00, 1.00, 0.17
HSL	83°, 100%, 42%
HSV	83°, 100%, 83%
XYZ	32.9036, 51.9123, 8.2859
YIQ	163.6130, 19.7760, -83.1040

Conversions

Conversions Part 2

Format	Color
RYB	0, 212, 81
Decimal	8639488
CIELab	77.23, -50.77, 75.99
CIELCh	77, 91.384, 123.748
Yxy	51.9123, 0.3534, 0.5576
Android (android.graphics.Color)	4286829568 (0xFF83D400)
YUV	163.6130, -80.6612, -28.6016
Hunter-Lab	72.0502, -44.5712, 43.6167

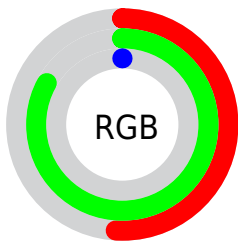
Details

The XYZ color **32.9036, 51.9123, 8.2859** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.2806, 6.5050, 62.7406**, and the grayscale version is **35.4698, 37.3170, 40.6382**.

A 20% lighter version of the original color is **58.5954, 83.1072, 21.3405**, and **14.6555, 25.4535, 4.1406** is the 20% darker color. If you saturate the color by 10%, you get **32.9030, 51.9137, 8.2862**, and if you desaturate by 10%, it is **34.3465, 52.6419, 9.0712**.

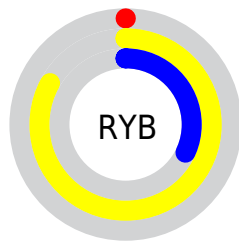
Distribution



Red (51%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (32%)

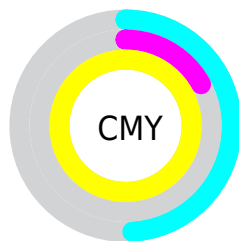


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (49%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9036, 51.9123, 8.2859 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 32.9036, 51.9123, 8.2859 by changing the saturation by 10% instead.


 32.9036, 51.9123,
8.2859


 32.9036, 51.9123,
8.2859


306.8878,
394.0979, 187.9751

 22.2115, 36.9352,
4.1880


 63.5807, 93.0019,
23.0724

 14.1299, 25.1573,
1.7291


 84.2964, 119.8831,
34.5981

 8.2933, 16.1943,
0.3805

 109.0839,
151.5012, 49.4369

 4.3366, 9.6617,
0.0000

 138.3088,
188.2405, 68.0072

 1.8943, 5.1753,
0.0000

 172.3362,
230.4855, 90.7277

 0.5735, 2.3505,
0.0000

 211.5316,

 0.0000, 0.8002,

278.6204, 118.0168

0.0000

256.2604,
333.0298, 150.2931

■ 0.0000, 0.0000,
0.0000

■ 32.9036, 51.9123,
8.2859

■ 32.9036, 51.9123,
8.2859

■ 32.9030, 51.9137,
8.2862

■ 34.3465, 52.6419,
9.0712

■ 36.0392, 53.4813,
10.6543

■ 38.0355, 54.4539,
13.3012

■ 40.3650, 55.5718,
17.1577

■ 43.0530, 56.8455,
22.3468

■ 46.1218, 58.2839,
28.9763

■ 49.5918, 59.8956,
37.1431

■ 53.4814, 61.6881,
46.9355

■ 57.8081, 63.6685,
58.4352

Harmonies

Analogous

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



47.1734, 51.9123, 4.5789



32.9036, 51.9123, 8.2859



24.8899, 51.9123, 23.7056

Triad

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



32.9036, 51.9123, 8.2859



35.8990, 51.9123, 194.5643



91.1302, 51.9123, 50.4536

Complementary

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



32.9036, 51.9123, 8.2859



15.2806, 6.5050, 62.7406

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.



86.1071, 51.9123, 110.7887



32.9036, 51.9123, 8.2859



51.5742, 51.9123, 217.6187

Square

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



32.9036, 51.9123, 8.2859



26.3103, 51.9123, 128.7767



70.5036, 51.9123, 180.5494



82.9570, 51.9123, 18.1012

Rectangle

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



32.9036, 51.9123, 8.2859



22.8735, 51.9123, 46.6611



70.5036, 51.9123, 180.5494



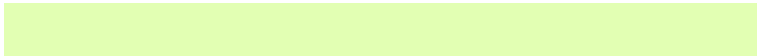
90.9373, 51.9123, 67.6864

Sweetspot

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



32.9048, 51.9146, 8.2870



75.1370, 90.8855, 55.9657



29.8596, 19.4114, 2.1738



15.5873, 19.2238, 10.7921



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.9048, 51.9146, 8.2870



49.7731, 78.7440, 12.5758



24.0316, 47.3403, 7.8718



12.9918, 14.2720, 13.2307



20.4265, 32.1066, 5.1206



1.3230, 1.9834, 0.3131

Inverse Universe

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



15.2806, 6.5050, 62.7406



23.0274, 9.7859, 95.2829



31.5897, 14.9127, 63.5038



12.1867, 12.2377, 15.6573



9.5355, 4.0682, 38.7358



0.6660, 0.2922, 2.3406

Previews

White Background



This preview shows how the XYZ color 32.9036, 51.9123, 8.2859 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 32.9036, 51.9123, 8.2859 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 32.9036, 51.9123, 8.2859

Background



This preview shows how black text looks on a background with the XYZ color 32.9036, 51.9123, 8.2859.



This preview shows how white text looks on a background with the XYZ color 32.9036, 51.9123,

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

32.9036, 51.9123, 8.2859

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.3358, 51.1604, 9.3070



Tritanopia

45.3029, 51.6066, 70.5241

Trichromacy



Original Color

32.9036, 51.9123, 8.2859

Protanomaly

39.9612, 50.5785, 7.6564

Deuteranomaly

42.8669, 50.0578, 8.4397

Tritanomaly

37.4185, 50.1296, 30.9964

Monochromacy



Original Color

32.9036, 51.9123, 8.2859

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

31.9715, 40.7226, 19.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9036, 51.9123, 8.2859 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(131, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 212, 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(131, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9036, 51.9123, 8.2859 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(131, 212, 0) }
```


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

```
.border{ border-color:rgb(131, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9036, 51.9123, 8.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 212, 0) }
```

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

```
.background{ background-color: rgb(131,  
212, 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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