

Converting Colors

XYZ(36.2173, 52.7589, 8.9511)

Have a look what the booklet for
XYZ(36.2173, 52.7589, 8.9511)
contains.

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Color

**XYZ(36.3097, 52.9160,
8.9619)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 99D214 |
| RGB | 153, 210, 20 |
| RGB Percent | 60%, 82%, 8% |
| CMY | 0.4000, 0.1765, 0.9215 |
| CMYK | 0.27, 0.00, 0.90, 0.18 |
| HSL | 78°, 83%, 45% |
| HSV | 78°, 90%, 82% |
| XYZ | 36.3097, 52.9160, 8.9619 |
| YIQ | 171.2970, 27.0180, -71.1740 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--|
| RYB | 20, 210, 77 |
| Decimal | 10080788 |
| CIELab | 77.83, -41.62, 74.77 |
| CIELCh | 78, 85.574, 119.103 |
| Yxy | 52.9160, 0.3698, 0.5389 |
| Android (android.graphics.Color) | 4288270868 (0xFF99D214) |
| YUV | 171.2970, -74.5894, -16.0465 |
| Hunter-Lab | 72.7434, -38.2030, 43.6159 |

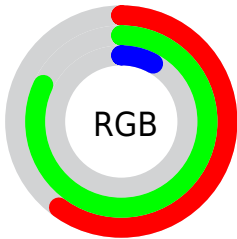
Details

The XYZ color **36.3097, 52.9160, 8.9619** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.9462, 6.7329, 61.4877**, and the grayscale version is **39.2144, 41.2566, 44.9284**.

A 20% lighter version of the original color is **64.7997, 86.2724, 23.1345**, and **16.4407, 25.8756, 4.1280** is the 20% darker color. If you saturate the color by 10%, you get **35.0793, 52.2980, 8.2457**, and if you desaturate by 10%, it is **37.8060, 53.6574, 10.4636**.

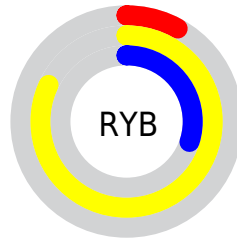
Distribution



Red (60%)

Green (82%)

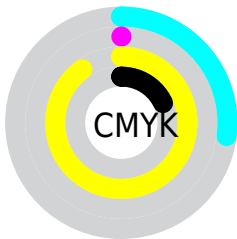
Blue (8%)



Red (8%)

Yellow (82%)

Blue (30%)

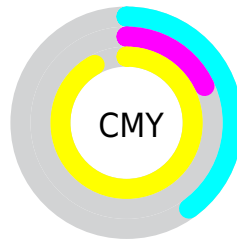


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (18%)



Cyan (40%)


Magenta (18%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3097, 52.9160, 8.9619 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 36.3097, 52.9160, 8.9619 by changing the saturation by 10% instead.


 36.3097, 52.9160,
8.9619


 36.3097, 52.9160,
8.9619


321.7198,
397.9628, 193.3010


 24.8447, 37.7357,
4.6199


 68.8306, 94.4808,
24.4002

 16.0895, 25.7776,
1.9712


 90.6171, 121.6340,
36.3336


 9.6788, 16.6574,
0.5375

 116.5749,
153.5470, 51.6345

 5.2471, 9.9905,
0.0000

 147.0693,
190.6043, 70.7215

 2.4292, 5.3927,
0.0000

 182.4656,
233.1900, 94.0131

 0.8597, 2.4794,
0.0000

 223.1293,

 0.0000, 0.8663,

281.6888, 121.9279

0.0000

269.4256,
336.4849, 154.8843

■ 0.0000, 0.0000,
0.0000

■ 36.3097, 52.9160,
8.9619

■ 36.3097, 52.9160,
8.9619

■ 35.0793, 52.2980,
8.2457

■ 37.8060, 53.6574,
10.4636

■ 39.5602, 54.5075,
12.9958

■ 41.6017, 55.4800,
16.7031

■ 43.9542, 56.5845,
21.7067

■ 46.6389, 57.8295,
28.1122

■ 49.6746, 59.2227,
36.0147

■ 53.0786, 60.7711,
45.5009

■ 56.8669, 62.4811,
56.6508

■ 61.0545, 64.3590,
69.5392

Harmonies

Analogous

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



50.7964, 52.9160, 6.0230



36.3097, 52.9160, 8.9619



27.5721, 52.9160, 22.2637

Triad

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



36.3097, 52.9160, 8.9619



35.6176, 52.9160, 177.0814



89.4483, 52.9160, 59.0595

Complementary

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



36.3097, 52.9160, 8.9619



14.9462, 6.7329, 61.4877

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.



82.9667, 52.9160, 118.4767



36.3097, 52.9160, 8.9619



49.7970, 52.9160, 205.9242

Square

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



36.3097, 52.9160, 8.9619



27.2388, 52.9160, 114.5136



67.4768, 52.9160, 180.1237



83.6662, 52.9160, 23.6047

Rectangle

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



36.3097, 52.9160, 8.9619



25.0069, 52.9160, 42.0024



67.4768, 52.9160, 180.1237



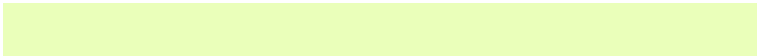
88.6116, 52.9160, 76.6877

Sweetspot

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



36.3109, 52.9184, 8.9630



78.6829, 92.6219, 60.2688



29.3609, 19.0624, 2.7945



16.4664, 19.6538, 11.8784



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.



36.3109, 52.9184, 8.9630



54.2323, 81.0428, 12.7845



24.9199, 47.0461, 8.4299



12.4437, 13.6122, 12.5836



21.5025, 31.9539, 5.0344



1.2803, 1.8269, 0.2851

Inverse Universe

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



14.9462, 6.7329, 61.4877



21.0713, 8.7775, 95.1914



28.8987, 13.9257, 62.1407



11.4924, 11.5872, 14.8745



8.4359, 3.5292, 37.4291



0.5518, 0.2386, 2.0965

Previews

White Background



This preview shows how the XYZ color 36.3097, 52.9160, 8.9619 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 36.3097, 52.9160, 8.9619 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 36.3097, 52.9160, 8.9619

Background



This preview shows how black text looks on a background with the XYZ color 36.3097, 52.9160, 8.9619.



This preview shows how white text looks on a background with the XYZ color 36.3097, 52.9160,

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

36.3097, 52.9160, 8.9619

Protanopia

47.2289, 52.3224, 7.9266

Deuteranopia

53.4396, 52.3311, 9.5698



Tritanopia

48.2862, 52.5040, 69.2173

Trichromacy



Original Color

36.3097, 52.9160, 8.9619

Protanomaly

42.4950, 52.2160, 8.2544

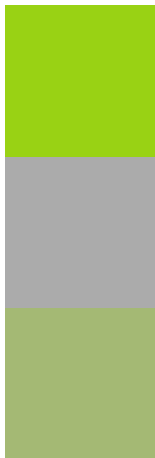
Deuteranomaly

45.4475, 51.3759, 9.1113

Tritanomaly

41.0538, 51.2609, 33.3218

Monochromacy



Original Color

36.3097, 52.9160, 8.9619

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

35.8112, 43.8514, 23.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3097, 52.9160, 8.9619 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(153, 210, 20)` looks like.

```
.text, #text, p{  
    color:rgb(153, 210, 20)  
}
```

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(153, 210, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 210, 20) }
```

Border

The CSS property to change the border of an element to XYZ 36.3097, 52.9160, 8.9619 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(153, 210, 20) }
```


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

```
.border{ border-color:rgb(153, 210, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 210, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 210, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 210, 20);  
box-shadow:4px 4px 4px 4px rgb(153, 210,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3097, 52.9160, 8.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 210, 20) }
```

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

```
.background{ background-color: rgb(153,  
210, 20) }
```

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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