

Converting Colors

XYZ(36.2772, 52.9910, 10.0567)

Have a look what the booklet for
XYZ(36.2772, 52.9910, 10.0567)
contains.

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Color

**XYZ(36.1430, 52.8061,
10.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	97D225
RGB	151, 210, 37
RGB Percent	59%, 82%, 15%
CMY	0.4078, 0.1765, 0.8549
CMYK	0.28, 0.00, 0.82, 0.18
HSL	80°, 70%, 48%
HSV	80°, 82%, 82%
XYZ	36.1430, 52.8061, 10.0379
YIQ	172.6370, 20.3690, -66.3110

Conversions

Conversions Part 2

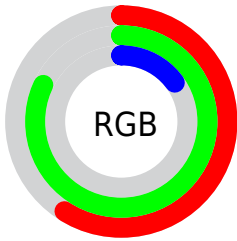
Format	Color
RYB	37, 210, 96
Decimal	9949733
CIELab	77.76, -41.90, 71.31
CIELCh	78, 82.705, 120.437
Yxy	52.8061, 0.3651, 0.5335
Android (android.graphics.Color)	4288139813 (0xFF97D225)
YUV	172.6370, -66.8690, -18.9756
Hunter-Lab	72.6678, -38.3876, 42.6775

Details

The XYZ color **36.1430, 52.8061, 10.0379** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **17.1207, 8.4646, 61.7074**, and the grayscale version is **39.8596, 41.9354, 45.6676**.

A 20% lighter version of the original color is **64.3066, 85.9762, 25.0101**, and **16.3374, 25.8224, 4.1231** is the 20% darker color. If you saturate the color by 10%, you get **34.6144, 52.0476, 8.7124**, and if you desaturate by 10%, it is **37.9442, 53.6867, 12.3669**.

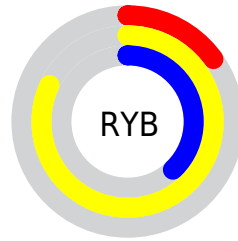
Distribution



Red (59%)

Green (82%)

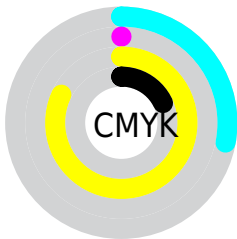
Blue (15%)



Red (15%)

Yellow (82%)

Blue (38%)

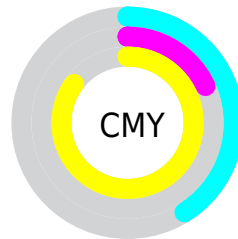


Cyan (28%)

Magenta (0%)

Yellow (82%)

Black (18%)



Cyan (41%)

Magenta (18%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1430, 52.8061, 10.0379 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 36.1430, 52.8061, 10.0379 by changing the saturation by 10% instead.

■ 36.1430, 52.8061,
10.0379

■ 36.1430, 52.8061,
10.0379

321.0055,
397.5408, 201.4370

■ 24.7153, 37.6480,
5.3182

■ 68.5752, 94.3190,
26.4757

■ 15.9927, 25.7096,
2.3731

■ 90.3103, 121.4426,
39.0308

■ 9.6098, 16.6065,
0.7718

■ 116.2120,
153.3234, 55.0348

■ 5.2013, 9.9544,
0.0000

■ 146.6455,
190.3460, 74.9063

■ 2.4018, 5.3687,
0.0000

■ 181.9763,
232.8946, 99.0637

■ 0.8460, 2.4652,
0.0000

■ 222.5696,

■ 0.0000, 0.8591,

281.3536, 127.9255

0.0000

268.7909,
336.1076, 161.9105

■ 0.0000, 0.0000,
0.0000

■ 36.1430, 52.8061,
10.0379

■ 36.1430, 52.8061,
10.0379

■ 34.6144, 52.0476,
8.7124

■ 37.9442, 53.6867,
12.3669

■ 33.5914, 51.5310,
8.1760

■ 40.0442, 54.6945,
15.8455

■ 42.4691, 55.8418,
20.5994

■ 45.2408, 57.1377,
26.7368

■ 48.3790, 58.5902,
34.3548

■ 51.9018, 60.2065,
43.5413

■ 55.8256, 61.9936,
54.3777

■ 60.1662, 63.9577,
66.9395

■ 64.9381, 66.1048,
81.2978

Harmonies

Analogous

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



49.9558, 52.8061, 6.6986



36.1430, 52.8061, 10.0379



27.8762, 52.8061, 24.0228

Triad

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



36.1430, 52.8061, 10.0379



36.4712, 52.8061, 173.4815



87.7389, 52.8061, 56.8260

Complementary

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



36.1430, 52.8061, 10.0379



17.1207, 8.4646, 61.7074

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.



82.0467, 52.8061, 112.9509



36.1430, 52.8061, 10.0379



50.4261, 52.8061, 198.5867

Square

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



36.1430, 52.8061, 10.0379



28.0354, 52.8061, 114.7906



67.4749, 52.8061, 172.0790



81.7208, 52.8061, 23.3768

Rectangle

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



36.1430, 52.8061, 10.0379



25.5245, 52.8061, 44.0472



67.4749, 52.8061, 172.0790



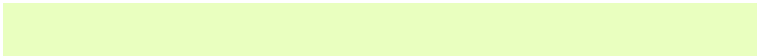
87.1203, 52.8061, 73.4386

Sweetspot

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



36.1442, 52.8084, 10.0390



78.8795, 92.6594, 63.1622



30.9767, 21.9618, 4.3574



16.4664, 19.6416, 12.4297



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.



36.1442, 52.8084, 10.0390



52.1135, 79.9489, 12.7582



25.6179, 47.3819, 9.5464



12.3955, 13.5874, 12.5813



20.6006, 31.4889, 4.9922



1.2350, 1.8035, 0.2830

Inverse Universe

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



17.1207, 8.4646, 61.7074



22.1645, 9.3822, 95.2505



31.3917, 15.8216, 62.3753



11.5384, 11.6109, 14.8766



8.8063, 3.7201, 37.4464



0.5766, 0.2514, 2.0977

Previews

White Background



This preview shows how the XYZ color 36.1430, 52.8061, 10.0379 looks on a white background.

Color Contrast Check

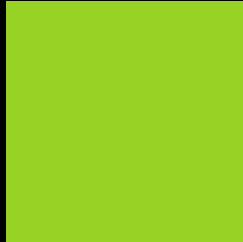
Large Text (above 18pt) WCAG AA × Fail

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 36.1430, 52.8061, 10.0379 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 36.1430, 52.8061, 10.0379

Background



This preview shows how black text looks on a background with the XYZ color 36.1430, 52.8061, 10.0379.



This preview shows how white text looks on a background with the XYZ color 36.1430, 52.8061,

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

36.1430, 52.8061, 10.0379

Protanopia

47.4293, 52.4025, 8.9814

Deuteranopia

53.3057, 52.2382, 10.6416



Tritanopia

47.8505, 52.2794, 69.1970

Trichromacy



Original Color

36.1430, 52.8061, 10.0379

Protanomaly

42.4504, 52.1688, 9.3456

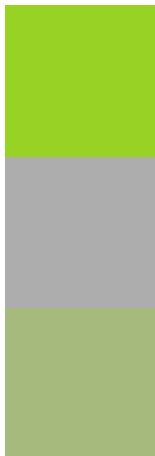
Deuteranomaly

45.3752, 51.3144, 10.2025

Tritanomaly

41.1038, 51.2332, 35.7396

Monochromacy



Original Color

36.1430, 52.8061, 10.0379

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

36.7140, 44.5724, 25.7371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1430, 52.8061, 10.0379 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(151, 210, 37)` looks like.

```
.text, #text, p{  
    color:rgb(151, 210, 37)  
}
```

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(151, 210, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 210, 37) }
```

Border

The CSS property to change the border of an element to XYZ 36.1430, 52.8061, 10.0379 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(151, 210, 37) }
```


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

```
.border{ border-color:rgb(151, 210, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 210, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 210, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 210, 37);  
box-shadow:4px 4px 4px 4px rgb(151, 210,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1430, 52.8061, 10.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 210, 37) }
```

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

```
.background{ background-color: rgb(151,  
210, 37) }
```

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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