

Converting Colors

XYZ(36.1928, 50.6432, 10.9995)

Have a look what the booklet for
XYZ(36.1928, 50.6432, 10.9995)
contains.

XYZ(36.0950, 50.5928, 10.9950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.0950, 50.5928,
10.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCC33
RGB	157, 204, 51
RGB Percent	62%, 80%, 20%
CMY	0.3843, 0.2000, 0.8000
CMYK	0.23, 0.00, 0.75, 0.20
HSL	78°, 60%, 50%
HSV	78°, 75%, 80%
XYZ	36.0950, 50.5928, 10.9950
YIQ	172.5050, 21.1010, -57.5470

Conversions

Conversions Part 2

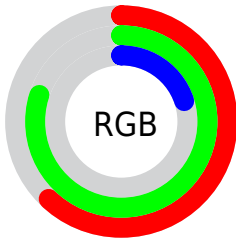
Format	Color
RYB	51, 204, 98
Decimal	10341427
CIELab	76.43, -36.33, 66.23
CIELCh	76, 75.541, 118.747
Yxy	50.5928, 0.3695, 0.5179
Android (android.graphics.Color)	4288531507 (0xFF9DCC33)
YUV	172.5050, -59.9020, -13.5979
Hunter-Lab	71.1286, -33.8933, 40.6250

Details

The XYZ color **36.0950, 50.5928, 10.9950** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.1220, 9.3254, 58.0272**, and the grayscale version is **39.7573, 41.8278, 45.5505**.

A 20% lighter version of the original color is **66.4911, 87.0498, 27.4852**, and **16.2732, 24.5794, 3.8866** is the 20% darker color. If you saturate the color by 10%, you get **34.5489, 49.8385, 9.0681**, and if you desaturate by 10%, it is **37.9034, 51.4629, 13.9656**.

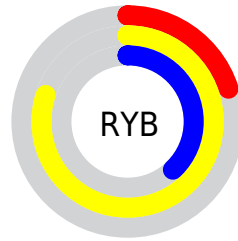
Distribution



Red (62%)

Green (80%)

Blue (20%)



Red (20%)

Yellow (80%)

Blue (38%)

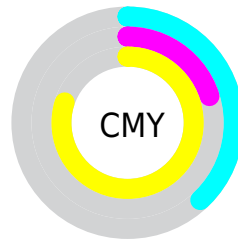


Cyan (23%)

Magenta (0%)

Yellow (75%)

Black (20%)



Cyan (38%)


Magenta (20%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0950, 50.5928, 10.9950 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 36.0950, 50.5928, 10.9950 by changing the saturation by 10% instead.


 36.0950, 50.5928,
10.9950


 36.0950, 50.5928,
10.9950


320.7996,
388.9796, 208.3694


 24.6780, 35.8846,
5.9493


 68.5016, 91.0526,
28.2874

 15.9648, 24.3451,
2.7460


 90.2219, 117.5730,
41.3713


 9.5899, 15.5898,
0.9665

 116.1074,
148.7996, 57.9716

 5.1881, 9.2344,
0.0000

 146.5234,
185.1168, 78.5070

 2.3939, 4.8944,
0.0000

 181.8352,
226.9091, 103.3959

 0.8421, 2.1854,
0.0000

222.4083,

 0.0000, 0.7120,

274.5607, 133.0569

0.0000

268.6080,
328.4561, 167.9086

■ 0.0000, 0.0000,
0.0000

■ 36.0950, 50.5928,
10.9950

■ 36.0950, 50.5928,
10.9950

■ 34.5489, 49.8385,
9.0681

■ 37.9034, 51.4629,
13.9656

■ 33.2327, 49.1815,
8.0345

■ 39.9945, 52.4516,
18.0974

■ 32.6345, 48.8795,
7.7147

■ 42.3900, 53.5695,
23.4958

■ 45.1085, 54.8242,
30.2534

■ 48.1667, 56.2224,
38.4542

■ 51.5802, 57.7705,
48.1754

■ 55.3634, 59.4743,
59.4887

■ 59.5297, 61.3393,
72.4613

■ 64.0921, 63.3708,
87.1565

Harmonies

Analogous

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



48.6875, 50.5928, 8.0214



36.0950, 50.5928, 10.9950



28.2890, 50.5928, 23.6205

Triad

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



36.0950, 50.5928, 10.9950



35.2461, 50.5928, 152.8582



80.9444, 50.5928, 56.8177

Complementary

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



36.0950, 50.5928, 10.9950



17.1220, 9.3254, 58.0272

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.



75.4654, 50.5928, 106.5434



36.0950, 50.5928, 10.9950



47.4913, 50.5928, 176.3818

Square

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



36.0950, 50.5928, 10.9950



27.8711, 50.5928, 102.0038



62.4781, 50.5928, 156.2658



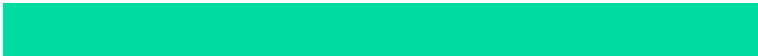
76.2760, 50.5928, 25.3481

Rectangle

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



36.0950, 50.5928, 10.9950



25.9396, 50.5928, 41.1708



62.4781, 50.5928, 156.2658



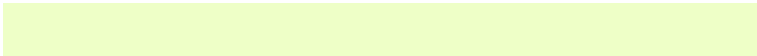
80.2117, 50.5928, 71.8312

Sweetspot

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



36.0962, 50.5951, 10.9961



81.2381, 93.7753, 67.7907



29.7668, 21.6091, 5.7348



17.0688, 19.9265, 13.6188



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.



36.0962, 50.5951, 10.9961



55.8260, 81.8435, 13.8033



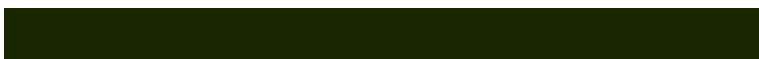
25.6372, 45.2032, 10.5066



11.8054, 12.9171, 11.9505



20.6383, 30.8148, 4.8601



1.1400, 1.6285, 0.2542

Inverse Universe

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



17.1220, 9.3254, 58.0272



23.2332, 10.4241, 95.3953



29.4070, 15.6586, 58.6021



10.9205, 11.0083, 14.1196



8.2214, 3.4458, 36.1881



0.5021, 0.2179, 1.8705

Previews

White Background



This preview shows how the XYZ color 36.0950, 50.5928, 10.9950 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 36.0950, 50.5928, 10.9950 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 36.0950, 50.5928, 10.9950

Background



This preview shows how black text looks on a background with the XYZ color 36.0950, 50.5928, 10.9950.



This preview shows how white text looks on a background with the XYZ color 36.0950, 50.5928,

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

36.0950, 50.5928, 10.9950

Protanopia

45.3603, 50.0206, 9.9535

Deuteranopia

51.0508, 49.8508, 11.4889



Tritanopia

46.8885, 50.2334, 64.9823

Trichromacy



Original Color

36.0950, 50.5928, 10.9950

Protanomaly

41.3111, 49.8733, 10.2455

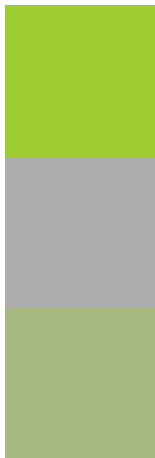
Deuteranomaly

44.2662, 49.1115, 11.1494

Tritanomaly

41.0884, 49.5250, 35.8275

Monochromacy



Original Color

36.0950, 50.5928, 10.9950

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.0393, 44.0814, 27.3253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0950, 50.5928, 10.9950 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(157, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(157, 204, 51)  
}
```

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(157, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 204, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.0950, 50.5928, 10.9950 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(157, 204, 51) }
```


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

```
.border{ border-color:rgb(157, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(157, 204,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0950, 50.5928, 10.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 204, 51) }
```

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

```
.background{ background-color: rgb(157,  
204, 51) }
```

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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