

Converting Colors

XYZ(34.6428, 53.1945, 10.6168)

Have a look what the booklet for
XYZ(34.6428, 53.1945, 10.6168)
contains.

XYZ(34.5287, 53.0740, 10.6149)	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(34.5287, 53.0740,
10.6149)**

Conversions

Conversions Part 1

Format	Color
Hex	89D52A
RGB	137, 213, 42
RGB Percent	54%, 84%, 16%
CMY	0.4627, 0.1647, 0.8353
CMYK	0.36, 0.00, 0.80, 0.16
HSL	87°, 67%, 50%
HSV	87°, 80%, 84%
XYZ	34.5287, 53.0740, 10.6149
YIQ	170.7820, 9.5950, -69.2930

Conversions

Conversions Part 2

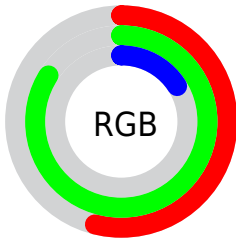
Format	Color
RYB	42, 213, 118
Decimal	9033002
CIELab	77.92, -48.06, 69.88
CIELCh	78, 84.809, 124.516
Yxy	53.0740, 0.3516, 0.5404
Android (android.graphics.Color)	4287223082 (0xFF89D52A)
YUV	170.7820, -63.4895, -29.6268
Hunter-Lab	72.8519, -42.8894, 42.3575

Details

The XYZ color **34.5287, 53.0740, 10.6149** 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 **20.3119, 10.3132, 63.8739**, and the grayscale version is **38.9060, 40.9322, 44.5751**.

A 20% lighter version of the original color is **60.7139, 84.1014, 25.8652**, and **15.4513, 26.1160, 4.2265** is the 20% darker color. If you saturate the color by 10%, you get **32.7599, 52.1968, 9.0437**, and if you desaturate by 10%, it is **36.6386, 54.1070, 13.2606**.

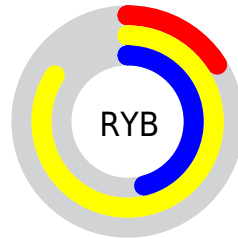
Distribution



Red (54%)

Green (84%)

Blue (16%)



Red (16%)

Yellow (84%)

Blue (46%)

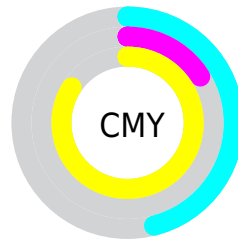


Cyan (36%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (46%)

Magenta (16%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5287, 53.0740, 10.6149 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 34.5287, 53.0740, 10.6149 by changing the saturation by 10% instead.

■ 34.5287, 53.0740,
10.6149

■ 34.5287, 53.0740,
10.6149

314.0277,
398.5690, 205.6478

■ 23.4649, 37.8618,
5.6976

■ 66.0938, 94.7132,
27.5715

■ 15.0597, 25.8755,
2.5963

■ 87.3259, 121.9091,
40.4479

■ 8.9479, 16.7305,
0.8905

■ 112.6780,
153.8684, 56.8144

■ 4.7640, 10.0425,
0.0000

■ 142.5156,
190.9754, 77.0896

■ 2.1428, 5.4272,
0.0000

■ 177.2040,
233.6146, 101.6920

■ 0.7123, 2.5000,
0.0000

■ 217.1086,

■ 0.0000, 0.8766,

282.1703, 131.0402

0.0000

262.5947,
337.0270, 165.5526

■ 0.0000, 0.0000,
0.0000

■ 34.5287, 53.0740,
10.6149

■ 34.5287, 53.0740,
10.6149

■ 32.7599, 52.1968,
9.0437

■ 36.6386, 54.1070,
13.2606

■ 31.3112, 51.4653,
8.2835

■ 39.1173, 55.3019,
17.1257

■ 41.9931, 56.6720,
22.3364

■ 45.2899, 58.2275,
29.0023

■ 49.0294, 59.9772,
37.2217

■ 53.2314, 61.9295,
47.0842

■ 57.9146, 64.0921,
58.6728

■ 63.0964, 66.4724,
72.0646

■ 68.7933, 69.0772,
87.3324

Harmonies

Analogous

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



47.9901, 53.0740, 6.3067



34.5287, 53.0740, 10.6149



26.8967, 53.0740, 26.8633

Triad

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



34.5287, 53.0740, 10.6149



37.9965, 53.0740, 184.6121



89.1117, 53.0740, 50.9307

Complementary

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



34.5287, 53.0740, 10.6149



20.3119, 10.3132, 63.8739

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.



84.8185, 53.0740, 106.3217



34.5287, 53.0740, 10.6149



52.9827, 53.0740, 203.7922

Square

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



34.5287, 53.0740, 10.6149



28.5716, 53.0740, 126.0172



70.6269, 53.0740, 169.5363



81.3378, 53.0740, 20.0972

Rectangle

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



34.5287, 53.0740, 10.6149



25.0097, 53.0740, 49.5375



70.6269, 53.0740, 169.5363



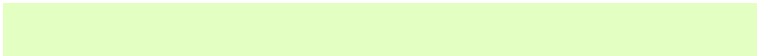
89.0435, 53.0740, 66.9085

Sweetspot

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



34.5299, 53.0763, 10.6160



77.4060, 91.8670, 64.5736



34.1176, 26.8293, 5.5716



16.0858, 19.4391, 12.6948



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.



34.5299, 53.0763, 10.6160



47.7040, 77.6709, 12.7706



25.7031, 48.5259, 10.2030



12.9155, 14.2327, 13.2272



19.2446, 31.4973, 5.0653



1.2553, 1.9485, 0.3099

Inverse Universe

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



20.3119, 10.3132, 63.8739



25.7697, 11.3640, 95.4430



37.0893, 18.9623, 64.6590



12.2613, 12.2761, 15.6608



10.3121, 4.4686, 38.7722



0.7163, 0.3182, 2.3430

Previews

White Background



This preview shows how the XYZ color 34.5287, 53.0740, 10.6149 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 34.5287, 53.0740, 10.6149 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 34.5287, 53.0740, 10.6149

Background



This preview shows how black text looks on a background with the XYZ color 34.5287, 53.0740, 10.6149.



This preview shows how white text looks on a background with the XYZ color 34.5287, 53.0740,

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

34.5287, 53.0740, 10.6149

Protanopia

47.5025, 52.4318, 9.3670

Deuteranopia

53.4268, 52.2867, 11.2794



Tritanopia

46.6298, 52.6141, 71.3162

Trichromacy



Original Color

34.5287, 53.0740, 10.6149

Protanomaly

41.5140, 52.0198, 9.7723

Deuteranomaly

44.3184, 51.0844, 10.7733

Tritanomaly

39.7043, 51.5255, 37.1309

Monochromacy



Original Color

34.5287, 53.0740, 10.6149

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

35.4951, 43.9440, 25.6800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5287, 53.0740, 10.6149 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(137, 213, 42)` looks like.

```
.text, #text, p{  
    color:rgb(137, 213, 42)  
}
```

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(137, 213, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 213, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.5287, 53.0740, 10.6149 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(137, 213, 42) }
```


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

```
.border{ border-color:rgb(137, 213, 42) }
```

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

Here you see how a box with a 4 pixel rgb(137, 213, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 213, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 213, 42);  
box-shadow:4px 4px 4px 4px rgb(137, 213,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5287, 53.0740, 10.6149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 213, 42) }
```

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

```
.background{ background-color: rgb(137,  
213, 42) }
```

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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