

Converting Colors

XYZ(36.7726, 53.6469, 13.6268)

Have a look what the booklet for
XYZ(36.7726, 53.6469, 13.6268)
contains.

XYZ(36.9213, 53.8699, 13.6062)	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(36.9213, 53.8699,
13.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	95D442
RGB	149, 212, 66
RGB Percent	58%, 83%, 26%
CMY	0.4157, 0.1686, 0.7412
CMYK	0.30, 0.00, 0.69, 0.17
HSL	86°, 63%, 55%
HSV	86°, 69%, 83%
XYZ	36.9213, 53.8699, 13.6062
YIQ	176.5190, 9.3180, -58.7620

Conversions

Conversions Part 2

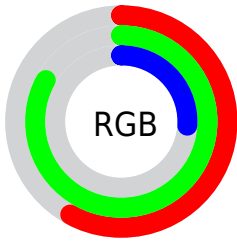
Format	Color
RYB	66, 212, 129
Decimal	9819202
CIELab	78.39, -42.01, 62.74
CIElCh	78, 75.511, 123.805
Yxy	53.8699, 0.3537, 0.5160
Android (android.graphics.Color)	4288009282 (0xFF95D442)
YUV	176.5190, -54.4859, -24.1342
Hunter-Lab	73.3961, -38.6503, 40.3861

Details

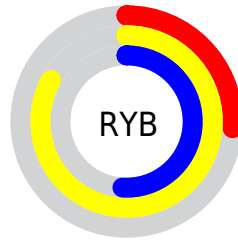
The XYZ color **36.9213, 53.8699, 13.6062** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **22.8875, 13.3186, 63.6549**, and the grayscale version is **41.8121, 43.9896, 47.9047**.

A 20% lighter version of the original color is **65.0050, 86.1905, 31.6227**, and **16.5712, 26.4411, 4.2303** is the 20% darker color. If you saturate the color by 10%, you get **34.8047, 52.8398, 10.8276**, and if you desaturate by 10%, it is **39.4032, 55.0650, 17.6127**.

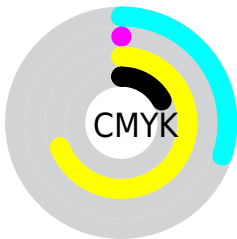
Distribution



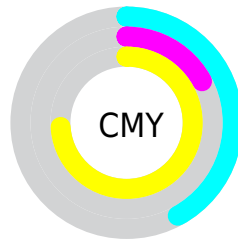
- Red (58%)
- Green (83%)
- Blue (26%)



- Red (26%)
- Yellow (83%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (69%)
- Black (17%)





- Cyan (42%)
- Magenta (17%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9213, 53.8699, 13.6062 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 36.9213, 53.8699, 13.6062 by changing the saturation by 10% instead.


 36.9213, 53.8699,
13.6062


 36.9213, 53.8699,
13.6062


324.3311,
401.6137, 226.1096


 25.3200, 38.4977,
7.7117


 69.7663, 95.8832,
33.0956


 16.4456, 26.3692,
3.8259

 91.7408, 123.2930,
47.5276


 9.9329, 17.1000,
1.5303


 117.9036,
155.4842, 65.6426

 5.4164, 10.3058,
0.2404

 148.6201,
192.8411, 87.8589

 2.5308, 5.6022,
0.0000

 184.2558,
235.7481, 114.5953

 0.9108, 2.6047,
0.0000

225.1760,

 0.0000, 0.9290,

284.5896, 146.2701

0.0000

271.7460,
339.7500, 183.3021

■ 0.0000, 0.0000,
0.0000

■ 36.9213, 53.8699,
13.6062

■ 36.9213, 53.8699,
13.6062

■ 34.8047, 52.8398,
10.8276

■ 39.4032, 55.0650,
17.6127

■ 33.0194, 51.9552,
9.1307

■ 42.2724, 56.4286,
22.9647

■ 31.5207, 51.1996,
8.2902

■ 45.5531, 57.9727,
29.7697

■ 31.3622, 51.1194,
8.2141

■ 49.2664, 59.7059,
38.1237

■ 53.4314, 61.6362,
48.1142

■ 58.0660, 63.7711,
59.8222

■ 63.1872, 66.1176,
73.3236

■ 68.8108, 68.6824,
88.6893

■ 74.6594, 71.3548,
104.4456

Harmonies

Analogous

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



49.3329, 53.8699, 9.0835



36.9213, 53.8699, 13.6062



29.6438, 53.8699, 29.4911

Triad

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



36.9213, 53.8699, 13.6062



39.6197, 53.8699, 166.6574



85.2422, 53.8699, 53.4017

Complementary

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



36.9213, 53.8699, 13.6062



22.8875, 13.3186, 63.6549

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.



81.2806, 53.8699, 102.5841



36.9213, 53.8699, 13.6062



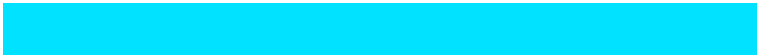
53.1171, 53.8699, 183.6663

Square

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



36.9213, 53.8699, 13.6062



30.9776, 53.8699, 116.8198



68.7581, 53.8699, 156.0220



78.7330, 53.8699, 23.9460

Rectangle

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



36.9213, 53.8699, 13.6062



27.7666, 53.8699, 50.2781



68.7581, 53.8699, 156.0220



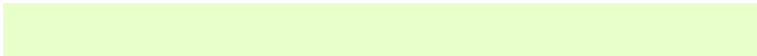
85.0967, 53.8699, 67.9146

Sweetspot

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



36.9226, 53.8723, 13.6074



79.5990, 92.8958, 69.2717



35.7047, 29.5281, 8.9726



16.6545, 19.7062, 13.9019



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.



36.9226, 53.8723, 13.6074



51.4432, 79.5539, 14.9634



27.6841, 49.1097, 13.1750



12.9313, 14.2408, 13.2279



19.4773, 31.6172, 5.0762



1.2688, 1.9555, 0.3106

Inverse Universe

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



22.8875, 13.3186, 63.6549



28.8678, 14.0982, 95.8075



37.6089, 20.9078, 64.3439



12.2458, 12.2681, 15.6601



10.1396, 4.3797, 38.7641



0.7054, 0.3125, 2.3425

Previews

White Background



This preview shows how the XYZ color 36.9213, 53.8699, 13.6062 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 36.9213, 53.8699, 13.6062 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 36.9213, 53.8699, 13.6062

Background



This preview shows how black text looks on a background with the XYZ color 36.9213, 53.8699, 13.6062.



This preview shows how white text looks on a background with the XYZ color 36.9213, 53.8699,

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

36.9213, 53.8699, 13.6062

Protanopia

48.2312, 53.0758, 12.1175

Deuteranopia

54.3802, 53.3280, 14.2647



Tritanopia

48.4801, 53.5680, 71.4028

Trichromacy



Original Color

36.9213, 53.8699, 13.6062

Protanomaly

43.2897, 52.8739, 12.6267

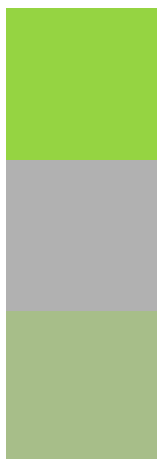
Deuteranomaly

46.1936, 52.3169, 13.7944

Tritanomaly

42.3990, 52.8270, 41.2197

Monochromacy



Original Color

36.9213, 53.8699, 13.6062

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

38.8652, 46.8485, 30.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9213, 53.8699, 13.6062 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(149, 212, 66)` looks like.

```
.text, #text, p{  
    color:rgb(149, 212, 66)  
}
```

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(149, 212, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 212, 66) }
```

Border

The CSS property to change the border of an element to XYZ 36.9213, 53.8699, 13.6062 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(149, 212, 66) }
```


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

```
.border{ border-color:rgb(149, 212, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 212, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 212, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 212, 66);  
box-shadow:4px 4px 4px 4px rgb(149, 212,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9213, 53.8699, 13.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 212, 66) }
```

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

```
.background{ background-color: rgb(149,  
212, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor