

Converting Colors

XYZ(36.6352, 52.4837, 19.5088)

Have a look what the booklet for
XYZ(36.6352, 52.4837, 19.5088)
contains.

XYZ(36.6352, 52.4837, 19.5088)	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(36.6352, 52.4837,
19.5088)**

Conversions

Conversions Part 1

Format	Color
Hex	91D161
RGB	145, 209, 97
RGB Percent	57%, 82%, 38%
CMY	0.4314, 0.1804, 0.6196
CMYK	0.31, 0.00, 0.54, 0.18
HSL	94°, 55%, 60%
HSV	94°, 54%, 82%
XYZ	36.6352, 52.4837, 19.5088
YIQ	177.0960, -2.1920, -48.4000

Conversions

Conversions Part 2

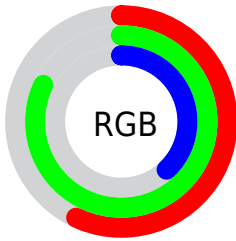
Format	Color
RYB	97, 209, 161
Decimal	9556321
CIELab	77.57, -39.44, 48.58
CIELCh	78, 62.568, 129.072
Yxy	52.4837, 0.3373, 0.4832
Android (android.graphics.Color)	4287746401 (0xFF91D161)
YUV	177.0960, -39.4873, -28.1482
Hunter-Lab	72.4456, -36.5138, 34.7458

Details

The XYZ color **36.6352, 52.4837, 19.5088** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.4836, 20.7315, 62.7194**, and the grayscale version is **42.0435, 44.2330, 48.1697**.

A 20% lighter version of the original color is **65.6221, 86.2786, 42.0489**, and **16.2457, 25.4743, 6.5434** is the 20% darker color. If you saturate the color by 10%, you get **33.7914, 51.1175, 14.9419**, and if you desaturate by 10%, it is **39.9596, 54.0713, 25.4403**.

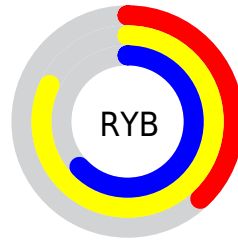
Distribution



Red (57%)

Green (82%)

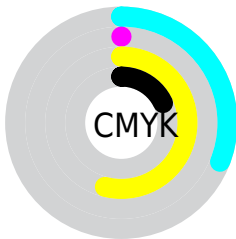
Blue (38%)



Red (38%)

Yellow (82%)

Blue (63%)

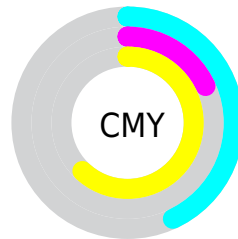


Cyan (31%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (43%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6352, 52.4837, 19.5088 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 36.6352, 52.4837, 19.5088 by changing the saturation by 10% instead.


 36.6352, 52.4837,
19.5088


 36.6352, 52.4837,
19.5088


323.1115,
396.3011, 261.7591


 25.0975, 37.3908,
11.8580


 69.3288, 93.8442,
43.4402


 16.2789, 25.5102,
6.5257


 91.2155, 120.8806,
60.5578

 9.8138, 16.4576,
3.0934


 117.2826,
152.6669, 81.6682

 5.3370, 9.8485,
1.1425

 147.8955,
189.5875, 107.1897

 2.4831, 5.2986,
0.0000

183.4194,
232.0268, 137.5411

 0.8867, 2.4235,
0.0000

224.2198,

 0.0000, 0.8380,

280.3693, 173.1407

0.0000

270.6621,
334.9993, 214.4072

■ 0.0000, 0.0000,
0.0000

■ 36.6352, 52.4837,
19.5088

■ 36.6352, 52.4837,
19.5088

■ 33.7914, 51.1175,
14.9419

■ 39.9596, 54.0713,
25.4403

■ 31.3970, 49.9540,
11.6272

■ 43.7856, 55.8841,
32.8301

■ 29.4221, 48.9823,
9.4401

■ 48.1375, 57.9342,
41.7677

■ 27.8306, 48.1870,
8.2287

■ 53.0366, 60.2310,
52.3343

■ 26.9760, 47.7551,
7.7959

■ 58.5032, 62.7832,
64.6056

■ 64.5560, 65.5989,
78.6523

■ 71.2132, 68.6860,
94.5412

■ 76.9739, 71.4448,
104.3410

■ 81.1756, 73.6109,
104.5376

Harmonies

Analogous

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



46.3123, 52.4837, 13.4236



36.6352, 52.4837, 19.5088



31.1898, 52.4837, 36.5342

Triad

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



36.6352, 52.4837, 19.5088



42.0425, 52.4837, 144.4631



76.5016, 52.4837, 47.2900

Complementary

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



36.6352, 52.4837, 19.5088



30.4836, 20.7315, 62.7194

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.



74.8629, 52.4837, 84.3377



36.6352, 52.4837, 19.5088



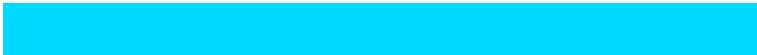
53.6351, 52.4837, 151.1604

Square

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



36.6352, 52.4837, 19.5088



33.9437, 52.4837, 110.1336



65.9949, 52.4837, 125.8682



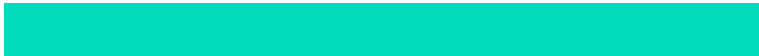
70.1663, 52.4837, 24.6473

Rectangle

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



36.6352, 52.4837, 19.5088



30.0854, 52.4837, 56.0757



65.9949, 52.4837, 125.8682



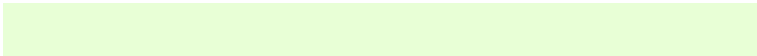
76.8844, 52.4837, 58.2295

Sweetspot

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



36.6365, 52.4860, 19.5099



81.0995, 93.4883, 77.5230



41.1061, 39.7242, 16.8111



17.0109, 19.8474, 15.8388



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.



36.6365, 52.4860, 19.5099



52.5301, 79.9432, 22.7414



30.2543, 49.1537, 21.1153



12.1298, 13.4504, 12.5689



16.7398, 29.4986, 4.8115



1.0260, 1.6958, 0.2732

Inverse Universe

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



30.4836, 20.7315, 62.7194



41.8824, 25.1617, 97.2570



41.1767, 26.3484, 58.5060



11.8011, 11.7463, 14.8889



11.9384, 5.3347, 37.5930



0.7574, 0.3446, 2.1062

Previews

White Background



This preview shows how the XYZ color 36.6352, 52.4837, 19.5088 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 36.6352, 52.4837, 19.5088 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 36.6352, 52.4837, 19.5088

Background



This preview shows how black text looks on a background with the XYZ color 36.6352, 52.4837, 19.5088.



This preview shows how white text looks on a background with the XYZ color 36.6352, 52.4837,

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

36.6352, 52.4837, 19.5088

Protanopia

47.3831, 51.8658, 17.4113

Deuteranopia

52.8309, 51.7790, 20.3066



Tritanopia

46.7502, 52.3674, 69.9313

Trichromacy



Original Color

36.6352, 52.4837, 19.5088

Protanomaly

42.6634, 51.7433, 18.0948

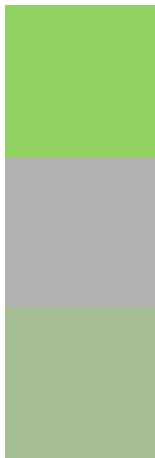
Deuteranomaly

45.2860, 51.0564, 19.7800

Tritanomaly

41.8526, 51.7435, 45.8118

Monochromacy



Original Color

36.6352, 52.4837, 19.5088

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.0599, 46.5326, 34.9400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6352, 52.4837, 19.5088 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(145, 209, 97)` looks like.

```
.text, #text, p{  
    color:rgb(145, 209, 97)  
}
```

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(145, 209, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 209, 97) }
```

Border

The CSS property to change the border of an element to XYZ 36.6352, 52.4837, 19.5088 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(145, 209, 97) }
```


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

```
.border{ border-color:rgb(145, 209, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 209, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 209, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 209, 97);  
box-shadow:4px 4px 4px 4px rgb(145, 209,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6352, 52.4837, 19.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 209, 97) }
```

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

```
.background{ background-color: rgb(145,  
209, 97) }
```

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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