

Converting Colors

XYZ(41.5404, 53.9864, 17.7149)

Have a look what the booklet for
XYZ(41.5404, 53.9864, 17.7149)
contains.

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Color

**XYZ(41.5537, 53.9778,
17.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCE59
RGB	175, 206, 89
RGB Percent	69%, 81%, 35%
CMY	0.3137, 0.1921, 0.6510
CMYK	0.15, 0.00, 0.57, 0.19
HSL	76°, 54%, 58%
HSV	76°, 57%, 81%
XYZ	41.5537, 53.9778, 17.6798
YIQ	183.3930, 19.0810, -42.9590

Conversions

Conversions Part 2

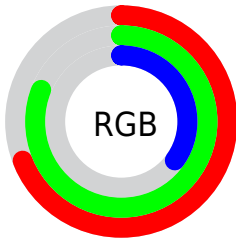
Format	Color
RYB	89, 206, 120
Decimal	11521625
CIELab	78.45, -27.62, 53.73
CIELCh	78, 60.416, 117.207
Yxy	53.9778, 0.3670, 0.4768
Android (android.graphics.Color)	4289711705 (0xFFAFCE59)
YUV	183.3930, -46.5357, -7.3607
Hunter-Lab	73.4696, -27.6139, 37.1611

Details

The XYZ color **41.5537, 53.9778, 17.6798** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **22.4606, 15.5954, 60.2220**, and the grayscale version is **45.4673, 47.8352, 52.0925**.

A 20% lighter version of the original color is **74.3222, 90.8268, 39.6007**, and **19.2773, 26.5709, 5.7028** is the 20% darker color. If you saturate the color by 10%, you get **39.6067, 53.0622, 13.6880**, and if you desaturate by 10%, it is **43.7949, 55.0206, 22.9508**.

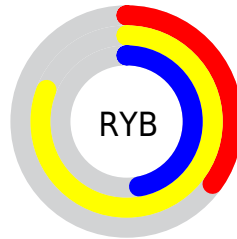
Distribution



Red (69%)

Green (81%)

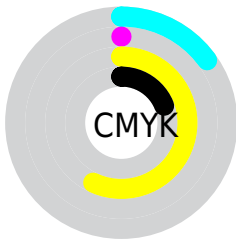
Blue (35%)



Red (35%)

Yellow (81%)

Blue (47%)

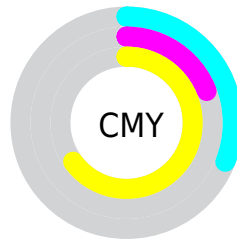


Cyan (15%)

Magenta (0%)

Yellow (57%)

Black (19%)



Cyan (31%)

Magenta (19%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5537, 53.9778, 17.6798 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 41.5537, 53.9778, 17.6798 by changing the saturation by 10% instead.

■ 41.5537, 53.9778,
17.6798

■ 41.5537, 53.9778,
17.6798

343.6527,
402.0254, 251.2352

■ 28.9416, 38.5839,
10.5533

■ 76.7931, 96.0416,
40.2975

■ 19.1807, 26.4362,
5.6569

■ 100.1511,
123.4804, 56.6258

■ 11.9057, 17.1502,
2.5722

■ 127.8218,
155.7029, 76.8584

■ 6.7512, 10.3417,
0.8781

■ 160.1705,
193.0935, 101.4138

■ 3.3520, 5.6261,
0.0000

197.5626,
236.0367, 130.7107

■ 1.3425, 2.6191,
0.0000

240.3634,

■ 0.2147, 0.9363,

284.9168, 165.1675

0.0000

288.9383,
340.1182, 205.2028

■ 0.0000, 0.0000,
0.0000

■ 41.5537, 53.9778,
17.6798

■ 41.5537, 53.9778,
17.6798

■ 39.6067, 53.0622,
13.6880

■ 43.7949, 55.0206,
22.9508

■ 37.9287, 52.2579,
10.8627

■ 46.3453, 56.1910,
29.5943

■ 36.4961, 51.5574,
9.0772

■ 49.2233, 57.4983,
37.6990

■ 35.2765, 50.9477,
8.1642

■ 52.4449, 58.9489,
47.3450

■ 34.9121, 50.7640,
7.9584

■ 56.0246, 60.5487,
58.6067

■ 59.9761, 62.3033,
71.5536

■ 64.3124, 64.2180,
86.2513

■ 69.0458, 66.2976,
102.7616

■ 70.9036, 67.2332,
103.8480

Harmonies

Analogous

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



52.4253, 53.9778, 14.6562



41.5537, 53.9778, 17.6798



34.3990, 53.9778, 29.9856

Triad

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



41.5537, 53.9778, 17.6798



39.9011, 53.9778, 132.6964



77.6671, 53.9778, 62.0182

Complementary

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



41.5537, 53.9778, 17.6798



22.4606, 15.5954, 60.2220

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.



73.0003, 53.9778, 101.7980



41.5537, 53.9778, 17.6798



50.1993, 53.9778, 151.3131

Square

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



41.5537, 53.9778, 17.6798



33.5534, 53.9778, 94.0411



62.4720, 53.9778, 138.2582



74.4174, 53.9778, 33.6507

Rectangle

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



41.5537, 53.9778, 17.6798



32.0981, 53.9778, 45.4451



62.4720, 53.9778, 138.2582



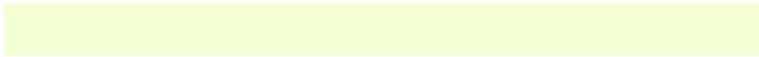
76.9575, 53.9778, 74.4801

Sweetspot

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



41.5550, 53.9802, 17.6809



84.7388, 95.4018, 76.0043



33.7666, 26.8605, 12.8568



17.9015, 20.3139, 15.5478



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.



41.5550, 53.9802, 17.6809



63.5765, 85.6857, 21.0912



31.3815, 48.7356, 17.2048



11.8525, 12.9414, 11.9527



21.5924, 31.3066, 4.9047



1.1831, 1.6508, 0.2563

Inverse Universe

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



22.4606, 15.5954, 60.2220



29.8718, 17.7488, 96.4592



32.7894, 20.9201, 60.7054



10.8760, 10.9854, 14.1175



7.8954, 3.2778, 36.1728



0.4808, 0.2070, 1.8695

Previews

White Background



This preview shows how the XYZ color 41.5537, 53.9778, 17.6798 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 41.5537, 53.9778, 17.6798 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 41.5537, 53.9778, 17.6798

Background



This preview shows how black text looks on a background with the XYZ color 41.5537, 53.9778, 17.6798.



This preview shows how white text looks on a background with the XYZ color 41.5537, 53.9778,

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

41.5537, 53.9778, 17.6798

Protanopia

48.9558, 53.6865, 16.3766

Deuteranopia

54.8027, 53.4579, 18.2565



Tritanopia

51.5649, 53.5622, 67.9424

Trichromacy



Original Color

41.5537, 53.9778, 17.6798

Protanomaly

45.6932, 53.3394, 16.6913

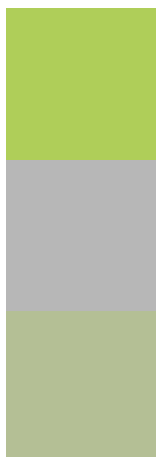
Deuteranomaly

49.1443, 53.0885, 18.0129

Tritanomaly

46.7528, 53.2951, 43.4202

Monochromacy



Original Color

41.5537, 53.9778, 17.6798

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.8780, 49.1348, 35.6578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5537, 53.9778, 17.6798 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(175, 206, 89)` looks like.

```
.text, #text, p{  
    color:rgb(175, 206, 89)  
}
```

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(175, 206, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 206, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.5537, 53.9778, 17.6798 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(175, 206, 89) }
```


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

```
.border{ border-color:rgb(175, 206, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 206, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 206, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 206, 89);  
box-shadow:4px 4px 4px 4px rgb(175, 206,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5537, 53.9778, 17.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 206, 89) }
```

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

```
.background{ background-color: rgb(175,  
206, 89) }
```

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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