

Converting Colors

XYZ(41.7576, 54.2785, 17.7829)

Have a look what the booklet for
XYZ(41.7576, 54.2785, 17.7829)
contains.

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Color

**XYZ(41.7952, 54.4609,
17.7604)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCF59
RGB	175, 207, 89
RGB Percent	69%, 81%, 35%
CMY	0.3137, 0.1882, 0.6510
CMYK	0.15, 0.00, 0.57, 0.19
HSL	76°, 55%, 58%
HSV	76°, 57%, 81%
XYZ	41.7952, 54.4609, 17.7604
YIQ	183.9800, 18.8060, -43.4820

Conversions

Conversions Part 2

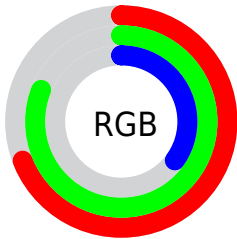
Format	Color
RYB	89, 207, 121
Decimal	11521881
CIELab	78.73, -28.10, 54.05
CIELCh	79, 60.918, 117.469
Yxy	54.4609, 0.3666, 0.4777
Android (android.graphics.Color)	4289711961 (0xFFAFCF59)
YUV	183.9800, -46.8251, -7.8755
Hunter-Lab	73.7976, -28.0526, 37.3894

Details

The XYZ color **41.7952, 54.4609, 17.7604** 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 **22.7222, 15.7162, 60.8706**, and the grayscale version is **45.7935, 48.1783, 52.4661**.

A 20% lighter version of the original color is **74.3222, 90.8268, 39.6007**, and **19.4403, 26.8969, 5.7571** is the 20% darker color. If you saturate the color by 10%, you get **39.8117, 53.5268, 13.7509**, and if you desaturate by 10%, it is **44.0782, 55.5246, 23.0617**.

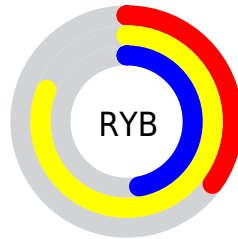
Distribution



Red (69%)

Green (81%)

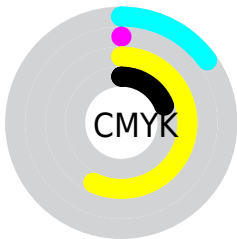
Blue (35%)



Red (35%)

Yellow (81%)

Blue (47%)

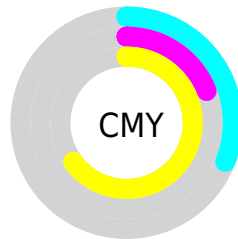


Cyan (15%)

Magenta (0%)

Yellow (57%)

Black (19%)



Cyan (31%)

Magenta (19%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7952, 54.4609, 17.7604 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 41.7952, 54.4609, 17.7604 by changing the saturation by 10% instead.

41.7952, 54.4609,
17.7604

41.7952, 54.4609,
17.7604

344.6393,
403.8651, 251.7076

29.1314, 38.9703,
10.6104

77.1567, 96.7506,
40.4370

19.3250, 26.7366,
5.6947

100.5851,
124.3185, 56.8008

12.0107, 17.3755,
2.5946

128.3323,
156.6810, 77.0729

6.8233, 10.5026,
0.8896

160.7638,
194.2224, 101.6719

3.3972, 5.7334,
0.0000

198.2449,
237.3271, 131.0164

1.3671, 2.6837,
0.0000

241.1410,

0.2326, 0.9689,

286.3795, 165.5248

0.0000

289.8173,
341.7641, 205.6157

■ 0.0000, 0.0000,
0.0000

■ 41.7952, 54.4609,
17.7604

■ 41.7952, 54.4609,
17.7604

■ 39.8117, 53.5268,
13.7509

■ 44.0782, 55.5246,
23.0617

■ 38.1019, 52.7063,
10.9187

■ 46.6759, 56.7185,
29.7494

■ 36.6420, 51.9917,
9.1351

■ 49.6071, 58.0519,
37.9135

■ 35.3985, 51.3694,
8.2277

■ 52.8878, 59.5314,
47.6351

■ 35.0505, 51.1939,
8.0341

■ 56.5330, 61.1630,
58.9897

■ 60.5566, 62.9524,
72.0477

■ 64.9717, 64.9048,
86.8755

■ 69.7908, 67.0254,
103.5357

■ 71.5811, 67.9411,
103.9489

Harmonies

Analogous

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



52.7933, 54.4609, 14.6432



41.7952, 54.4609, 17.7604



34.5842, 54.4609, 30.2956

Triad

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



41.7952, 54.4609, 17.7604



40.2774, 54.4609, 134.6759



78.5304, 54.4609, 62.2772

Complementary

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



41.7952, 54.4609, 17.7604



22.7222, 15.7162, 60.8706

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.



73.8567, 54.4609, 102.6152



41.7952, 54.4609, 17.7604



50.7471, 54.4609, 153.3542

Square

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



41.7952, 54.4609, 17.7604



33.8082, 54.4609, 95.4726



63.2026, 54.4609, 139.8022



75.1609, 54.4609, 33.6561

Rectangle

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



41.7952, 54.4609, 17.7604



32.2810, 54.4609, 46.0360



63.2026, 54.4609, 139.8022



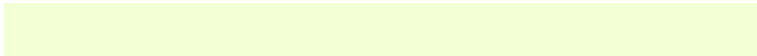
77.8336, 54.4609, 74.8914

Sweetspot

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



41.7965, 54.4633, 17.7616



84.6454, 95.3536, 75.9999



34.3101, 27.5339, 12.9582



17.8793, 20.3025, 15.5468



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.



41.7965, 54.4633, 17.7616



63.2715, 85.5285, 21.0770



31.3915, 49.0993, 17.2746



12.4777, 13.6297, 12.5852



22.1768, 32.3015, 5.0660



1.3137, 1.8441, 0.2867

Inverse Universe

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



22.7222, 15.7162, 60.8706



30.0345, 17.8327, 96.4668



33.5353, 21.2906, 61.3767



11.4603, 11.5706, 14.8730



8.2068, 3.4110, 37.4183



0.5356, 0.2303, 2.0958

Previews

White Background



This preview shows how the XYZ color 41.7952, 54.4609, 17.7604 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 41.7952, 54.4609, 17.7604 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 41.7952, 54.4609, 17.7604

Background



This preview shows how black text looks on a background with the XYZ color 41.7952, 54.4609, 17.7604.



This preview shows how white text looks on a background with the XYZ color 41.7952, 54.4609,

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

41.7952, 54.4609, 17.7604

Protanopia

49.4737, 54.2850, 16.4648

Deuteranopia

55.0111, 53.8749, 18.3260



Tritanopia

51.9109, 54.0555, 68.6705

Trichromacy



Original Color

41.7952, 54.4609, 17.7604

Protanomaly

46.1905, 53.9362, 16.7803

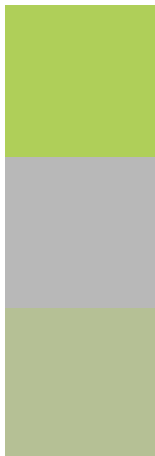
Deuteranomaly

49.3647, 53.5292, 18.0863

Tritanomaly

47.0735, 53.7904, 43.9779

Monochromacy



Original Color

41.7952, 54.4609, 17.7604

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.3305, 49.6930, 35.7417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7952, 54.4609, 17.7604 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, 207, 89)` looks like.

```
.text, #text, p{  
    color:rgb(175, 207, 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, 207, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 207, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.7952, 54.4609, 17.7604 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, 207, 89) }
```


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

```
.border{ border-color:rgb(175, 207, 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, 207, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 207, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 207, 89);  
box-shadow:4px 4px 4px 4px rgb(175, 207,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7952, 54.4609, 17.7604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 207, 89) }
```

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

```
.background{ background-color: rgb(175,  
207, 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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