

Converting Colors

XYZ(27.7532, 41.4256, 17.3672)

Have a look what the booklet for
XYZ(27.7532, 41.4256, 17.3672)
contains.

XYZ(27.6815, 41.3661, 17.3520)	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(27.6815, 41.3661,
17.3520)**

Conversions

Conversions Part 1

Format	Color
Hex	74BE5F
RGB	116, 190, 95
RGB Percent	45%, 75%, 37%
CMY	0.5451, 0.2549, 0.6274
CMYK	0.39, 0.00, 0.50, 0.25
HSL	107°, 42%, 56%
HSV	107°, 50%, 75%
XYZ	27.6815, 41.3661, 17.3520
YIQ	157.0440, -13.6090, -45.2330

Conversions

Conversions Part 2

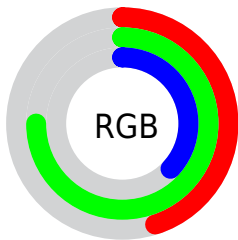
Format	Color
RYB	95, 190, 169
Decimal	7650911
CIELab	70.43, -41.12, 40.59
CIELCh	70, 57.780, 135.376
Yxy	41.3661, 0.3204, 0.4788
Android (android.graphics.Color)	4285840991 (0xFF74BE5F)
YUV	157.0440, -30.5877, -35.9956
Hunter-Lab	64.3165, -35.7283, 29.0256

Details

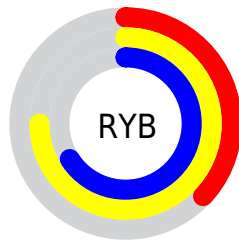
The XYZ color **27.6815, 41.3661, 17.3520** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7506, 20.3384, 51.0750**, and the grayscale version is **32.2063, 33.8835, 36.8991**.

A 20% lighter version of the original color is **55.3218, 77.2860, 39.6057**, and **11.2023, 18.7899, 5.5190** is the 20% darker color. If you saturate the color by 10%, you get **25.1081, 40.1286, 13.2602**, and if you desaturate by 10%, it is **30.7811, 42.8530, 22.5696**.

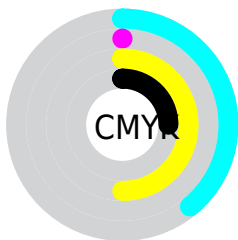
Distribution



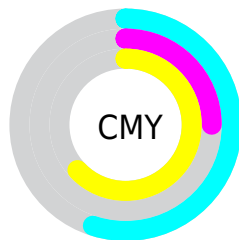
- Red (45%)
- Green (75%)
- Blue (37%)



- Red (37%)
- Yellow (75%)
- Blue (66%)



- Cyan (39%)
- Magenta (0%)
- Yellow (50%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6815, 41.3661, 17.3520 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 27.6815, 41.3661, 17.3520 by changing the saturation by 10% instead.

■ 27.6815, 41.3661,
17.3520

■ 27.6815, 41.3661,
17.3520

283.0496,
351.8484, 249.3050

■ 18.2249, 28.6053,
10.3212

■ 55.3877, 77.2393,
39.7289

■ 11.2123, 18.7824,
5.5040

■ 74.3681, 101.1205,
55.9121

■ 6.2781, 11.5132,
2.4821

■ 97.2538, 129.4773,
75.9831

■ 3.0572, 6.4131,
0.8306

■ 124.4102,
162.6940, 100.3605

■ 1.1841, 3.0979,
0.0000

156.2026,
201.1551, 129.4629

■ 0.0937, 1.1830,
0.0000

192.9964,

■ 0.0000, 0.0478,

245.2449, 163.7087

0.0000

235.1570,
295.3479, 203.5166

■ 0.0000, 0.0000,
0.0000

■ 27.6815, 41.3661,
17.3520

■ 27.6815, 41.3661,
17.3520

■ 25.1081, 40.1286,
13.2602

■ 30.7811, 42.8530,
22.5696

■ 23.0275, 39.1214,
10.2087

■ 34.4316, 44.5967,
28.9849

■ 21.4068, 38.3308,
8.1042


■ 38.6600, 46.6108,
36.6666


■ 20.2077, 37.7395,
6.8355


■ 43.4903, 48.9065,
45.6779


■ 19.3690, 37.3207,
6.1828


■ 48.9454, 51.4942,
56.0775

 19.3690, 37.3207,
6.1828

 55.0466, 54.3837,
67.9207

 61.8147, 57.5845,
81.2597

 69.2690, 61.1056,
96.1441

 75.6052, 64.2264,
103.0199

Harmonies

Analogous

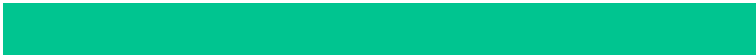
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6634, 41.3661, 11.0569



27.6815, 41.3661, 17.3520



24.1399, 41.3661, 33.0659

Triad

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



27.6815, 41.3661, 17.3520



34.8771, 41.3661, 117.1319



59.7251, 41.3661, 32.5282

Complementary

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



27.6815, 41.3661, 17.3520



29.7506, 20.3384, 51.0750

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.



59.8073, 41.3661, 59.6051



27.6815, 41.3661, 17.3520



44.3700, 41.3661, 116.7956

Square

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



27.6815, 41.3661, 17.3520



27.8161, 41.3661, 93.5659



53.8274, 41.3661, 92.7764



53.6183, 41.3661, 17.0958

Rectangle

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



27.6815, 41.3661, 17.3520



23.7718, 41.3661, 50.1298



53.8274, 41.3661, 92.7764



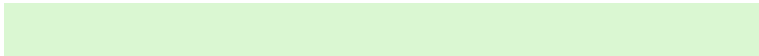
60.4873, 41.3661, 40.3081

Sweetspot

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



27.6825, 41.3679, 17.3529



74.0793, 86.3759, 73.9024



37.2744, 39.7190, 16.5291



15.8637, 18.7755, 15.4780



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6825, 41.3679, 17.3529



45.0927, 72.5203, 23.4105



26.5445, 40.6258, 24.3190



9.6007, 10.7486, 10.1453



12.9352, 24.8442, 4.1137



0.5643, 1.0029, 0.1638

Inverse Universe

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



29.7506, 20.3384, 51.0750



49.1902, 30.0279, 91.4825



32.0901, 21.8372, 37.9638



9.7181, 9.5870, 12.0105



14.3708, 6.6945, 32.9276



0.6149, 0.2890, 1.2922

Previews

White Background



This preview shows how the XYZ color 27.6815, 41.3661, 17.3520 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 27.6815, 41.3661, 17.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

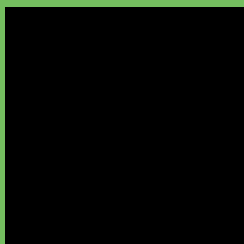
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6815, 41.3661, 17.3520

Background



This preview shows how black text looks on a background with the XYZ color 27.6815, 41.3661, 17.3520.



This preview shows how white text looks on a background with the XYZ color 27.6815, 41.3661,

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

27.6815, 41.3661, 17.3520

Protanopia

37.5420, 41.0451, 15.3950

Deuteranopia

41.6862, 40.9201, 18.2716



Tritanopia

35.5306, 41.1218, 57.1036

Trichromacy



Original Color

27.6815, 41.3661, 17.3520



Protanomaly

32.9087, 40.6769, 16.0145



Deuteranomaly

34.8749, 39.9020, 17.6681



Tritanomaly

31.8574, 40.8476, 38.5531

Monochromacy



Original Color

27.6815, 41.3661, 17.3520



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.6464, 35.8479, 27.9111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6815, 41.3661, 17.3520 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(116, 190, 95)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 95)  
}
```

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(116, 190, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.6815, 41.3661, 17.3520 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(116, 190, 95) }
```


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

```
.border{ border-color:rgb(116, 190, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 95);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6815, 41.3661, 17.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 95) }
```

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

```
.background{ background-color: rgb(116,  
190, 95) }
```

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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