

Converting Colors

XYZ(27.8128, 41.8444, 17.5013)

Have a look what the booklet for
XYZ(27.8128, 41.8444, 17.5013)
contains.

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Color

**XYZ(27.7666, 41.7327,
17.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	73BF5F
RGB	115, 191, 95
RGB Percent	45%, 75%, 37%
CMY	0.5490, 0.2510, 0.6274
CMYK	0.40, 0.00, 0.50, 0.25
HSL	108°, 43%, 56%
HSV	108°, 50%, 75%
XYZ	27.7666, 41.7327, 17.4182
YIQ	157.3320, -14.4800, -45.9680

Conversions

Conversions Part 2

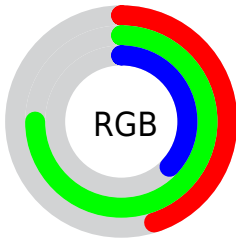
Format	Color
RYB	95, 191, 171
Decimal	7585631
CIELab	70.69, -41.88, 40.89
CIElCh	71, 58.532, 135.687
Yxy	41.7327, 0.3195, 0.4801
Android (android.graphics.Color)	4285775711 (0xFF73BF5F)
YUV	157.3320, -30.7297, -37.1252
Hunter-Lab	64.6009, -36.3290, 29.2344

Details

The XYZ color **27.7666, 41.7327, 17.4182** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.2928, 20.6052, 51.6731**, and the grayscale version is **32.3372, 34.0213, 37.0492**.

A 20% lighter version of the original color is **55.6284, 77.8993, 39.7079**, and **11.2828, 19.0414, 5.5633** is the 20% darker color. If you saturate the color by 10%, you get **25.1749, 40.4862, 13.3074**, and if you desaturate by 10%, it is **30.8994, 43.2361, 22.6671**.

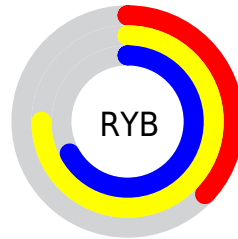
Distribution



Red (45%)

Green (75%)

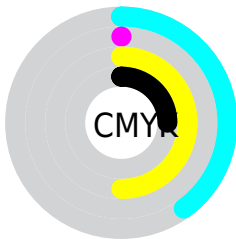
Blue (37%)



Red (37%)

Yellow (75%)

Blue (67%)

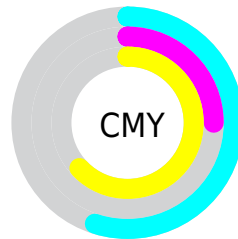


Cyan (40%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (55%)

Magenta (25%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7666, 41.7327, 17.4182 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 27.7666, 41.7327, 17.4182 by changing the saturation by 10% instead.

■ 27.7666, 41.7327,
17.4182

■ 27.7666, 41.7327,
17.4182

283.4503,
353.3737, 249.6960

■ 18.2893, 28.8920,
10.3680

■ 55.5228, 77.7949,
39.8439

■ 11.2589, 18.9992,
5.5348

■ 74.5325, 101.7853,
56.0564

■ 6.3098, 11.6697,
2.5002

■ 97.4504, 130.2610,
76.1602

■ 3.0768, 6.5192,
0.8403

■ 124.6419,
163.6064, 100.5737

■ 1.1945, 3.1633,
0.0000

156.4723,
202.2060, 129.7155

■ 0.1020, 1.2176,
0.0000

193.3069,

■ 0.0000, 0.0760,

246.4442, 164.0041

0.0000

235.5111,
296.7053, 203.8581

■ 0.0000, 0.0000,
0.0000

■ 27.7666, 41.7327,
17.4182

■ 27.7666, 41.7327,
17.4182

■ 25.1749, 40.4862,
13.3074

■ 30.8994, 43.2361,
22.6671

■ 23.0895, 39.4767,
10.2478

■ 34.5994, 45.0043,
29.1271

■ 21.4763, 38.6899,
8.1445

■ 38.8944, 47.0516,
36.8683

■ 20.2949, 38.1076,
6.8842

■ 43.8096, 49.3895,
45.9544

■ 19.4985, 37.7102,
6.2511

■ 49.3687, 52.0288,
56.4454

■ 55.5941, 54.9800,
68.3971

■ 62.5071, 58.2529,
81.8626

■ 70.1281, 61.8569,
96.8924

■ 76.4996, 65.0102,
103.1240

Harmonies

Analogous

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



34.8358, 41.7327, 10.9856



27.7666, 41.7327, 17.4182



24.2063, 41.7327, 33.4787

Triad

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



27.7666, 41.7327, 17.4182



35.2336, 41.7327, 119.2815



60.4549, 41.7327, 32.4793

Complementary

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



27.7666, 41.7327, 17.4182



30.2928, 20.6052, 51.6731

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.



60.6083, 41.7327, 59.9564



27.7666, 41.7327, 17.4182



44.9225, 41.7327, 118.6516

Square

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



27.7666, 41.7327, 17.4182



28.0167, 41.7327, 95.3441



54.5549, 41.7327, 93.8671



54.1647, 41.7327, 16.9445

Rectangle

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



27.7666, 41.7327, 17.4182



23.8577, 41.7327, 50.9385



54.5549, 41.7327, 93.8671



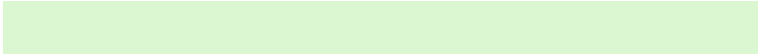
61.2565, 41.7327, 40.3518

Sweetspot

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



27.7676, 41.7345, 17.4191



73.9380, 86.3031, 73.8958



37.9655, 40.7290, 16.6876



15.8291, 18.7578, 15.4764



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.



27.7676, 41.7345, 17.4191



44.8008, 72.3699, 23.3969



26.8767, 41.1066, 24.9962



9.5895, 10.7428, 10.1448



12.8690, 24.8101, 4.1106



0.5594, 1.0003, 0.1636

Inverse Universe

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



30.2928, 20.6052, 51.6731



49.7464, 30.3146, 91.5085



32.2624, 21.9350, 37.5625



9.7301, 9.5932, 12.0111



14.6620, 6.8446, 32.9413



0.6242, 0.2938, 1.2927

Previews

White Background



This preview shows how the XYZ color 27.7666, 41.7327, 17.4182 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 27.7666, 41.7327, 17.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

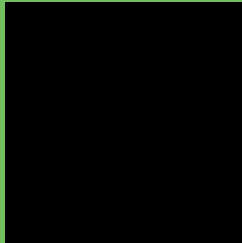
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7666, 41.7327, 17.4182

Background



This preview shows how black text looks on a background with the XYZ color 27.7666, 41.7327, 17.4182.



This preview shows how white text looks on a background with the XYZ color 27.7666, 41.7327,

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

27.7666, 41.7327, 17.4182

Protanopia

37.7909, 41.1735, 15.4067

Deuteranopia

41.9682, 41.0655, 18.2848



Tritanopia

35.8445, 41.5692, 57.7642

Trichromacy



Original Color

27.7666, 41.7327, 17.4182



Protanomaly

33.1127, 40.7821, 16.0240



Deuteranomaly

35.0674, 40.2869, 17.7323



Tritanomaly

32.0027, 41.2198, 39.0704

Monochromacy



Original Color

27.7666, 41.7327, 17.4182



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 27.7666, 41.7327, 17.4182 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(115, 191, 95)` looks like.

```
.text, #text, p{  
    color:rgb(115, 191, 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(115, 191, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 191, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.7666, 41.7327, 17.4182 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(115, 191, 95) }
```


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

```
.border{ border-color:rgb(115, 191, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 191, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 191, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 191, 95);  
box-shadow:4px 4px 4px 4px rgb(115, 191,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7666, 41.7327, 17.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 191, 95) }
```

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

```
.background{ background-color: rgb(115,  
191, 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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