

Converting Colors

XYZ(34.5033, 53.1317, 27.8222)

Have a look what the booklet for
XYZ(34.5033, 53.1317, 27.8222)
contains.

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Color

**XYZ(34.4303, 53.0185,
27.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	70D67D
RGB	112, 214, 125
RGB Percent	44%, 84%, 49%
CMY	0.5608, 0.1608, 0.5098
CMYK	0.48, 0.00, 0.42, 0.16
HSL	128°, 55%, 64%
HSV	128°, 48%, 84%
XYZ	34.4303, 53.0185, 27.8210
YIQ	173.3560, -32.2230, -49.3030

Conversions

Conversions Part 2

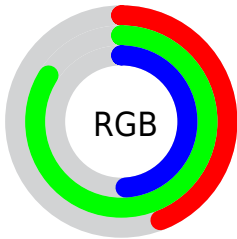
Format	Color
RYB	112, 202, 214
Decimal	7394941
CIELab	77.89, -48.25, 34.96
CIElCh	78, 59.587, 144.076
Yxy	53.0185, 0.2987, 0.4600
Android (android.graphics.Color)	4285585021 (0xFF70D67D)
YUV	173.3560, -23.8395, -53.8092
Hunter-Lab	72.8138, -43.0197, 28.3159

Details

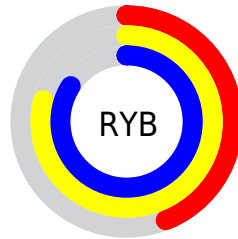
The XYZ color **34.4303, 53.0185, 27.8210** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **44.0699, 30.1025, 58.7474**, and the grayscale version is **40.0331, 42.1180, 45.8665**.

A 20% lighter version of the original color is **60.2589, 83.2097, 55.5329**, and **14.9311, 25.7050, 10.6532** is the 20% darker color. If you saturate the color by 10%, you get **30.9414, 51.3466, 22.0059**, and if you desaturate by 10%, it is **38.7932, 55.1181, 34.8499**.

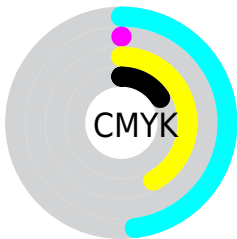
Distribution



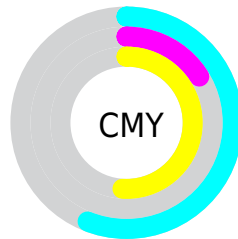
- Red (44%)
- Green (84%)
- Blue (49%)



- Red (44%)
- Yellow (79%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (42%)
- Black (16%)





- Cyan (56%)
- Magenta (16%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4303, 53.0185, 27.8210 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 34.4303, 53.0185, 27.8210 by changing the saturation by 10% instead.


 34.4303, 53.0185,
27.8210


 34.4303, 53.0185,
27.8210


313.5988,
398.3561, 305.4956


 23.3888, 37.8175,
17.9529


 65.9421, 94.6316,
57.2182

 15.0031, 25.8411,
10.7471


 87.1432, 121.8125,
77.5844

 8.9079, 16.7048,
5.7850


 112.4614,
153.7555, 102.2870

 4.7378, 10.0243,
2.6481

142.2623,
190.8451, 131.7446

 2.1274, 5.4150,
0.9171

176.9111,
233.4655, 166.3757

 0.7041, 2.4928,
0.0000

216.7732,

 0.0000, 0.8730,

282.0012, 206.5989

0.0000

262.2140,
336.8366, 252.8327

■ 0.0000, 0.0000,
0.0000

■ 34.4303, 53.0185,
27.8210

■ 34.4303, 53.0185,
27.8210

■ 30.9414, 51.3466,
22.0059

■ 38.7932, 55.1181,
34.8499

■ 28.2633, 50.0666,
17.3325

■ 44.0797, 57.6652,
43.1520

■ 26.3308, 49.1482,
13.7265


■ 50.3404, 60.6859,
52.7874


■ 25.0663, 48.5531,
11.1036


■ 57.6212, 64.2028,
63.8112

■ 24.3660, 48.2298,
9.3660

■ 65.9647, 68.2368,
76.2752

 24.2486, 48.1756,
9.0746

 75.4116, 72.8078,
90.2289

 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



41.8461, 53.0185, 16.8933



34.4303, 53.0185, 27.8210



31.3357, 53.0185, 51.3950

Triad

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



34.4303, 53.0185, 27.8210



48.1297, 53.0185, 147.1908



73.5709, 53.0185, 35.4310

Complementary

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



34.4303, 53.0185, 27.8210



44.0699, 30.1025, 58.7474

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.



75.9349, 53.0185, 64.5613



34.4303, 53.0185, 27.8210



60.0298, 53.0185, 137.6876

Square

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



34.4303, 53.0185, 27.8210



38.4279, 53.0185, 126.2723



70.6535, 53.0185, 103.7921



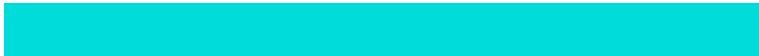
64.6137, 53.0185, 19.9627

Rectangle

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



34.4303, 53.0185, 27.8210



31.7377, 53.0185, 74.6624



70.6535, 53.0185, 103.7921



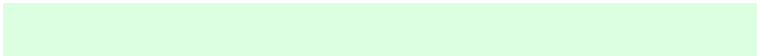
75.2150, 53.0185, 43.5701

Sweetspot

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



34.4316, 53.0207, 27.8222



78.4980, 92.0003, 84.0353



51.3574, 61.8361, 24.5582



16.3154, 19.4570, 17.2476



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.



34.4316, 53.0207, 27.8222



46.0549, 76.3758, 32.7978



38.4581, 54.6313, 49.0254



12.3262, 13.9215, 13.5322



14.6773, 29.1263, 5.5962



0.9069, 1.7654, 0.4516

Inverse Universe

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



44.0699, 30.1025, 58.7474



61.9874, 38.4202, 83.8666



39.1212, 28.1230, 32.6880



12.8817, 12.6042, 15.3174



22.1926, 10.8133, 29.3818



1.3580, 0.6600, 1.8747

Previews

White Background



This preview shows how the XYZ color 34.4303, 53.0185, 27.8210 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 34.4303, 53.0185, 27.8210 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 34.4303, 53.0185, 27.8210

Background



This preview shows how black text looks on a background with the XYZ color 34.4303, 53.0185, 27.8210.



This preview shows how white text looks on a background with the XYZ color 34.4303, 53.0185,

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

34.4303, 53.0185, 27.8210

Protanopia

48.0777, 52.0779, 24.0411

Deuteranopia

53.0933, 52.0269, 29.0737



Tritanopia

43.8150, 52.8129, 74.9024

Trichromacy



Original Color

34.4303, 53.0185, 27.8210



Protanomaly

41.2088, 51.1774, 25.1591



Deuteranomaly

43.5039, 50.6077, 28.2442



Tritanomaly

39.5272, 52.4884, 53.9469

Monochromacy



Original Color

34.4303, 53.0185, 27.8210



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.7465, 44.9460, 38.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4303, 53.0185, 27.8210 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(112, 214, 125)` looks like.

```
.text, #text, p{  
    color:rgb(112, 214, 125)  
}
```

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(112, 214, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 214, 125) }
```

Border

The CSS property to change the border of an element to XYZ 34.4303, 53.0185, 27.8210 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(112, 214, 125) }
```


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

```
.border{ border-color:rgb(112, 214, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 214, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 214, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 214, 125);  
box-shadow:4px 4px 4px 4px rgb(112, 214,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4303, 53.0185, 27.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 214, 125) }
```

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

```
.background{ background-color: rgb(112,  
214, 125) }
```

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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