

Converting Colors

XYZ(45.5982, 34.5003, 13.5763)

Have a look what the booklet for
XYZ(45.5982, 34.5003, 13.5763)
contains.

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Color

**XYZ(45.6265, 34.5841,
13.5031)**

Conversions

Conversions Part 1

Format	Color
Hex	F17F58
RGB	241, 127, 88
RGB Percent	95%, 50%, 35%
CMY	0.0549, 0.5019, 0.6549
CMYK	0.00, 0.47, 0.63, 0.05
HSL	15°, 85%, 65%
HSV	15°, 63%, 95%
XYZ	45.6265, 34.5841, 13.5031
YIQ	156.6400, 80.4630, 12.0390

Conversions

Conversions Part 2

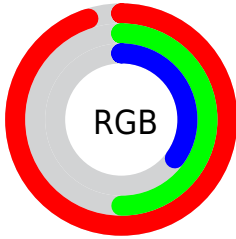
Format	Color
R_{YB}	241, 140, 88
Decimal	15826776
CIE _{Lab}	65.42, 40.53, 40.65
CIE _{LCh}	65, 57.405, 45.081
Yxy	34.5841, 0.4869, 0.3690
Android (android.graphics.Color)	4294016856 (0xFFFF17F58)
YUV	156.6400, -33.8395, 73.9837
Hunter-Lab	58.8082, 35.5752, 27.5521

Details

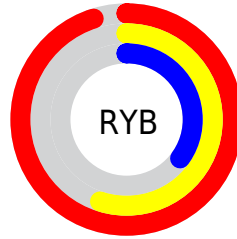
The XYZ color **45.6265, 34.5841, 13.5031** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.0208, 50.6636, 90.8358**, and the grayscale version is **32.0089, 33.6758, 36.6730**.

A 20% lighter version of the original color is **62.4241, 56.1718, 31.9782**, and **21.7387, 14.8955, 3.8272** is the 20% darker color. If you saturate the color by 10%, you get **42.6722, 30.0180, 8.3808**, and if you desaturate by 10%, it is **49.3255, 40.1123, 20.5015**.

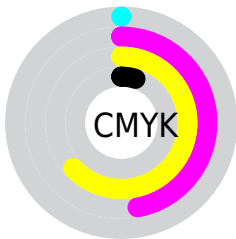
Distribution



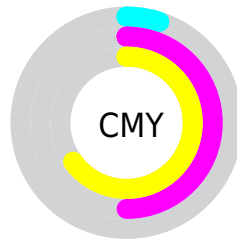
- Red (95%)
- Green (50%)
- Blue (35%)



- Red (95%)
- Yellow (55%)
- Blue (35%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (5%)





- Cyan (5%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6265, 34.5841, 13.5031 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 45.6265, 34.5841, 13.5031 by changing the saturation by 10% instead.


 45.6265, 34.5841,
13.5031


 45.6265, 34.5841,
13.5031

360.0462,
322.7287, 225.4372


 32.1546, 23.3427,
7.6411


 82.8910, 66.8410,
32.9091

 21.6357, 14.8467,
3.7817


 107.4143, 88.6252,
47.2901


 13.7046, 8.7119,
1.5064


 136.3522,
114.6925, 65.3479

 7.9958, 4.5537,
0.2227


 170.0698,
145.4273, 87.5010

 4.1440, 1.9879,
0.0000

 208.9327,
181.2139, 114.1679

 1.7839, 0.6004,
0.0000

253.3061,

 0.5080, 0.0000,

222.4367, 145.7672

0.0000

303.5555,
269.4802, 182.7175

■ 0.0000, 0.0000,
0.0000

■ 45.6265, 34.5841,
13.5031

■ 45.6265, 34.5841,
13.5031

■ 42.6722, 30.0180,
8.3808

■ 49.3255, 40.1123,
20.5015

■ 40.4044, 26.3511,
4.9465

■ 53.8165, 46.6496,
29.5354


■ 38.7585, 23.5207,
2.9757


■ 59.1455, 54.2461,
40.7492


■ 37.9679, 22.0855,
2.2618

■ 65.3538, 62.9472,
54.2736

■ 72.4802, 72.7951,
70.2290

 80.5611, 83.8302,
88.7271

 89.3555, 95.9807,
108.4243

 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



51.0345, 34.5841, 26.8707



45.6265, 34.5841, 13.5031



37.2012, 34.5841, 8.3335

Triad

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



45.6265, 34.5841, 13.5031



19.6188, 34.5841, 26.9713



37.2489, 34.5841, 102.1879

Complementary

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



45.6265, 34.5841, 13.5031



41.0208, 50.6636, 90.8358

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.



28.8909, 34.5841, 102.2535



45.6265, 34.5841, 13.5031



19.6271, 34.5841, 50.9991

Square

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



45.6265, 34.5841, 13.5031



22.7214, 34.5841, 13.5497



22.7466, 34.5841, 80.7520



45.6666, 34.5841, 80.5988

Rectangle

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



45.6265, 34.5841, 13.5031



31.4633, 34.5841, 7.8403



22.7466, 34.5841, 80.7520



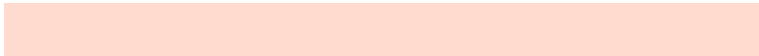
34.3204, 34.5841, 104.9546

Sweetspot

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



45.6273, 34.5859, 13.5037



77.7535, 76.3550, 69.3834



50.5150, 29.9802, 59.4682



16.1581, 15.6720, 13.7720



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.



45.6273, 34.5859, 13.5037



47.7295, 32.8826, 8.2745



59.3339, 61.9992, 18.0726



16.1003, 16.4137, 16.4693



20.6803, 12.1587, 1.2569



1.7976, 1.1659, 0.1303

Inverse Universe

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



41.0208, 50.6636, 90.8358



41.9600, 52.1648, 102.4650



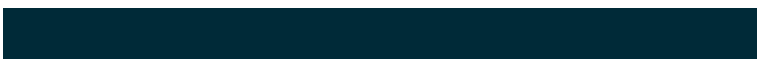
27.3947, 23.4116, 86.2938



15.8864, 17.2069, 20.2056



17.5260, 21.2762, 48.3109



1.5371, 1.9281, 4.0454

Previews

White Background



This preview shows how the XYZ color 45.6265, 34.5841, 13.5031 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 45.6265, 34.5841, 13.5031 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 45.6265, 34.5841, 13.5031

Background



This preview shows how black text looks on a background with the XYZ color 45.6265, 34.5841, 13.5031.



This preview shows how white text looks on a background with the XYZ color 45.6265, 34.5841, 13.5031.

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

45.6265, 34.5841, 13.5031

Protanopia

32.1539, 34.7150, 17.0626

Deuteranopia

35.2952, 34.6831, 13.0179



Tritanopia

48.2970, 34.7639, 25.2837

Trichromacy



Original Color

45.6265, 34.5841, 13.5031

Protanomaly

35.8337, 33.7177, 15.6859

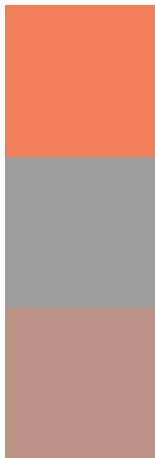
Deuteranomaly

38.6135, 34.2978, 13.1793

Tritanomaly

47.2643, 34.7078, 20.4278

Monochromacy



Original Color

45.6265, 34.5841, 13.5031

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.1828, 32.9151, 26.3287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6265, 34.5841, 13.5031 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(241, 127, 88)` looks like.

```
.text, #text, p{  
    color:rgb(241, 127, 88)  
}
```

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(241, 127, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 127, 88) }
```

Border

The CSS property to change the border of an element to XYZ 45.6265, 34.5841, 13.5031 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(241, 127, 88) }
```


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

```
.border{ border-color:rgb(241, 127, 88) }
```

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

Here you see how a box with a 4 pixel rgb(241, 127, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 127, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 127, 88);  
box-shadow:4px 4px 4px 4px rgb(241, 127,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6265, 34.5841, 13.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 127, 88) }
```

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

```
.background{ background-color: rgb(241,  
127, 88) }
```

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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