

Converting Colors

XYZ(46.0689, 28.2840, 11.6593)

Have a look what the booklet for
XYZ(46.0689, 28.2840, 11.6593)
contains.

XYZ(46.0500, 28.2565, 11.6213)	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(46.0500, 28.2565,
11.6213)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5455
RGB	255, 84, 85
RGB Percent	100%, 33%, 33%
CMY	0.0000, 0.6705, 0.6667
CMYK	0.00, 0.67, 0.67, 0.00
HSL	360°, 100%, 66%
HSV	360°, 67%, 100%
XYZ	46.0500, 28.2565, 11.6213
YIQ	135.2430, 101.5950, 36.5630

Conversions

Conversions Part 2

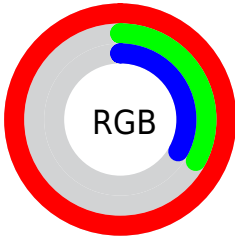
Format	Color
R_{YB}	255, 84, 85
Decimal	16733269
CIE _{Lab}	60.12, 64.60, 36.37
CIE _{LCh}	60, 74.138, 29.379
Yxy	28.2565, 0.5359, 0.3288
Android (android.graphics.Color)	4294923349 (0xFFFF5455)
YUV	135.2430, -24.7698, 105.0269
Hunter-Lab	53.1568, 61.6108, 24.2476

Details

The XYZ color **46.0500, 28.2565, 11.6213** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **57.3078, 80.5612, 106.3034**, and the grayscale version is **23.1836, 24.3909, 26.5617**.

A 20% lighter version of the original color is **55.2862, 42.3553, 28.1832**, and **21.9231, 11.3381, 3.0405** is the 20% darker color. If you saturate the color by 10%, you get **43.5850, 24.6603, 6.6892**, and if you desaturate by 10%, it is **49.5968, 33.4400, 18.6934**.

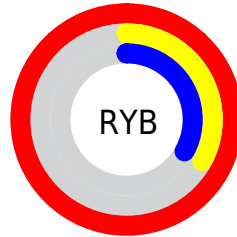
Distribution



Red (100%)

Green (33%)

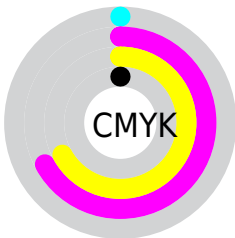
Blue (33%)



Red (100%)

Yellow (33%)

Blue (33%)

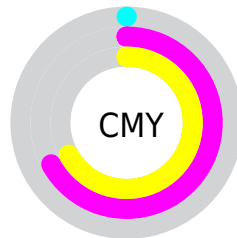


Cyan (0%)

Magenta (67%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0500, 28.2565, 11.6213 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 46.0500, 28.2565, 11.6213 by changing the saturation by 10% instead.


 46.0500, 28.2565,
11.6213


 46.0500, 28.2565,
11.6213


361.7222,
293.6905, 212.7700


 32.4901, 18.5191,
6.3670


 83.5212, 56.8937,
29.4575


 21.8935, 11.3233,
2.9971


 108.1632, 76.5623,
42.8764


 13.8948, 6.2847,
1.0932


 137.2300,
100.3101, 59.8540

 8.1287, 3.0190,
0.0000

 171.0868,
128.5214, 80.8087

 4.2299, 1.1417,
0.0000

 210.0991,
161.5807, 106.1591

 1.8330, 0.0133,
0.0000

254.6322,

 0.5374, 0.0000,

199.8725, 136.3238

0.0000

305.0514,
243.7809, 171.7212

■ 0.0000, 0.0000,
0.0000

■ 46.0500, 28.2565,
11.6213

■ 46.0500, 28.2565,
11.6213

■ 43.5850, 24.6603,
6.6892

■ 49.5968, 33.4400,
18.6934

■ 42.0769, 22.4654,
3.6544

■ 54.3283, 40.3601,
28.1099


■ 41.3703, 21.4425,
2.2152

■ 60.3374, 49.1543,
40.0526

■ 41.2478, 21.2631,
1.9726

■ 67.7075, 59.9449,
54.6853

■ 76.5148, 72.8441,
72.1580

 86.8299, 87.9556,
92.6095

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



49.4847, 28.2565, 31.3349



46.0500, 28.2565, 11.6213



37.2384, 28.2565, 4.1749

Triad

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



46.0500, 28.2565, 11.6213



14.0389, 28.2565, 11.1175



26.6602, 28.2565, 117.8989

Complementary

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



46.0500, 28.2565, 11.6213



57.3078, 80.5612, 106.3034

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.



18.6101, 28.2565, 100.9827



46.0500, 28.2565, 11.6213



12.4558, 28.2565, 30.2051

Square

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



46.0500, 28.2565, 11.6213



18.8789, 28.2565, 4.0275



13.9113, 28.2565, 64.0894



36.8151, 28.2565, 102.2355

Rectangle

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



46.0500, 28.2565, 11.6213



30.3541, 28.2565, 2.7071



13.9113, 28.2565, 64.0894



23.6393, 28.2565, 115.7324

Sweetspot

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



46.0507, 28.2581, 11.6217



73.7674, 68.8195, 66.7081



61.4201, 34.2857, 97.9877



15.2538, 13.9459, 13.2160



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.



46.0507, 28.2581, 11.6217



43.0477, 23.8772, 5.6101



56.5961, 49.4115, 14.9442



18.0137, 17.9888, 18.6893



21.5549, 11.1112, 1.0404



2.1002, 1.0824, 0.1088

Inverse Universe

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



46.0507, 28.2581, 11.6217



43.0477, 23.8772, 5.6101



36.5272, 38.7457, 100.1606



18.0137, 17.9888, 18.6893



21.5549, 11.1112, 1.0404



2.1002, 1.0824, 0.1088

Previews

White Background



This preview shows how the XYZ color 46.0500, 28.2565, 11.6213 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0500, 28.2565, 11.6213 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 × Fail

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

XYZ 46.0500, 28.2565, 11.6213

Background



This preview shows how black text looks on a background with the XYZ color 46.0500, 28.2565, 11.6213.



This preview shows how white text looks on a background with the XYZ color 46.0500, 28.2565,

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

46.0500, 28.2565, 11.6213

Protanopia

26.5425, 28.4014, 18.2704

Deuteranopia

28.7531, 28.1637, 10.7582



Tritanopia

46.1718, 28.3052, 12.2625

Trichromacy



Original Color

46.0500, 28.2565, 11.6213

Protanomaly

31.1214, 26.2925, 15.4913

Deuteranomaly

33.3433, 26.6432, 10.7824

Tritanomaly

46.1306, 28.2888, 12.0457

Monochromacy



Original Color

46.0500, 28.2565, 11.6213

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

28.0467, 23.3588, 19.8601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0500, 28.2565, 11.6213 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(255, 84, 85)` looks like.

```
.text, #text, p{  
  color:rgb(255, 84, 85)  
}
```

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(255, 84, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 85) }
```

Border

The CSS property to change the border of an element to XYZ 46.0500, 28.2565, 11.6213 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(255, 84, 85) }
```


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

```
.border{ border-color:rgb(255, 84, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0500, 28.2565, 11.6213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 85) }
```

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

```
.background{ background-color: rgb(255, 84,  
85) }
```

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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