

Converting Colors

XYZ(46.1535, 28.1619, 12.0103)

Have a look what the booklet for
XYZ(46.1535, 28.1619, 12.0103)
contains.

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Color

**XYZ(46.0536, 28.1346,
12.0201)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5357
RGB	255, 83, 87
RGB Percent	100%, 33%, 34%
CMY	0.0000, 0.6745, 0.6588
CMYK	0.00, 0.67, 0.66, 0.00
HSL	359°, 100%, 66%
HSV	359°, 67%, 100%
XYZ	46.0536, 28.1346, 12.0201
YIQ	134.8840, 101.2280, 37.7080

Conversions

Conversions Part 2

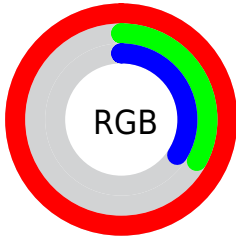
Format	Color
R_{YB}	255, 83, 87
Decimal	16733015
CIE _{Lab}	60.01, 65.09, 35.11
CIE _{LCh}	60, 73.951, 28.344
Yxy	28.1346, 0.5342, 0.3264
Android (android.graphics.Color)	4294923095 (0xFFFF5357)
YUV	134.8840, -23.6068, 105.3417
Hunter-Lab	53.0421, 62.1585, 23.6935

Details

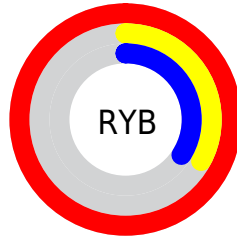
The XYZ color **46.0536, 28.1346, 12.0201** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **56.7422, 80.3248, 103.7882**, and the grayscale version is **23.0460, 24.2462, 26.4041**.

A 20% lighter version of the original color is **55.2802, 42.1159, 28.8825**, and **21.8970, 11.2582, 3.1168** is the 20% darker color. If you saturate the color by 10%, you get **43.6004, 24.5858, 7.0183**, and if you desaturate by 10%, it is **49.5760, 33.2609, 19.1098**.

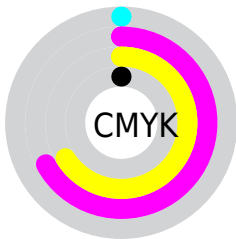
Distribution



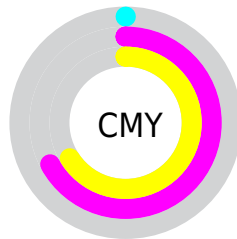
- Red (100%)
- Green (33%)
- Blue (34%)



- Red (100%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (67%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0536, 28.1346, 12.0201 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 46.0536, 28.1346, 12.0201 by changing the saturation by 10% instead.


 46.0536, 28.1346,
12.0201


 46.0536, 28.1346,
12.0201


361.7364,
293.1095, 215.5209


 32.4929, 18.4271,
6.6347


 83.5266, 56.6993,
30.1967


 21.8956, 11.2571,
3.1597


 108.1696, 76.3253,
43.8248


 13.8964, 6.2400,
1.1768


 137.2374,
100.0262, 61.0377

 8.1299, 2.9916,
0.0000

 171.0955,
128.1866, 82.2538

 4.2307, 1.1273,
0.0000

 210.1090,
161.1907, 107.8916

 1.8334, 0.0011,
0.0000

254.6434,

 0.5377, 0.0000,

199.4230, 138.3697

0.0000

305.0641,
243.2678, 174.1066

■ 0.0000, 0.0000,
0.0000

■ 46.0536, 28.1346,
12.0201

■ 46.0536, 28.1346,
12.0201

■ 43.6004, 24.5858,
7.0183

■ 49.5760, 33.2609,
19.1098

■ 42.0935, 22.4283,
3.8760

■ 54.2687, 40.1140,
28.4809


■ 41.3786, 21.4285,
2.3120

■ 60.2232, 48.8311,
40.3061

■ 41.2722, 21.2729,
2.1007

■ 67.5216, 59.5345,
54.7413

■ 76.2388, 72.3361,
71.9294

 86.4443, 87.3393,
92.0031

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



49.2322, 28.1346, 32.1574



46.0536, 28.1346, 12.0201



37.4147, 28.1346, 4.2991

Triad

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



46.0536, 28.1346, 12.0201



14.0994, 28.1346, 10.6816



26.2211, 28.1346, 117.2080

Complementary

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



46.0536, 28.1346, 12.0201



56.7422, 80.3248, 103.7882

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.



18.3191, 28.1346, 99.3750



46.0536, 28.1346, 12.0201



12.4176, 28.1346, 29.1591

Square

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



46.0536, 28.1346, 12.0201



19.0326, 28.1346, 3.9069



13.7605, 28.1346, 62.4393



36.2920, 28.1346, 102.6962

Rectangle

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



46.0536, 28.1346, 12.0201



30.5690, 28.1346, 2.7424



13.7605, 28.1346, 62.4393



23.2469, 28.1346, 114.6634

Sweetspot

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



46.0543, 28.1362, 12.0205



73.8744, 68.8624, 67.2718



60.3060, 33.5969, 97.9137



15.2787, 13.9559, 13.3474



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.



46.0543, 28.1362, 12.0205



42.9636, 23.6702, 5.7018



55.9472, 48.1758, 14.5359



18.0265, 17.9939, 18.7565



21.5731, 11.1185, 1.1365



2.1062, 1.0849, 0.1409

Inverse Universe

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



46.0543, 28.1362, 12.0205



42.9636, 23.6702, 5.7018



36.8972, 39.6176, 100.3096



18.0265, 17.9939, 18.7565



21.5731, 11.1185, 1.1365



2.1062, 1.0849, 0.1409

Previews

White Background



This preview shows how the XYZ color 46.0536, 28.1346, 12.0201 looks on a white background.

Color Contrast Check

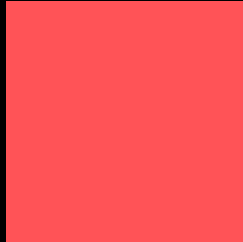
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0536, 28.1346, 12.0201 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 46.0536, 28.1346, 12.0201

Background



This preview shows how black text looks on a background with the XYZ color 46.0536, 28.1346, 12.0201.



This preview shows how white text looks on a background with the XYZ color 46.0536, 28.1346,

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

46.0536, 28.1346, 12.0201

Protanopia

26.5122, 28.3671, 19.1170

Deuteranopia

28.5951, 28.0741, 11.1195



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

46.0536, 28.1346, 12.0201

Protanomaly

30.8437, 25.9547, 15.9545

Deuteranomaly

33.1405, 26.5301, 11.1587

Tritanomaly

46.0536, 28.1346, 12.0201

Monochromacy



Original Color

46.0536, 28.1346, 12.0201

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

28.1058, 23.3825, 20.1715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0536, 28.1346, 12.0201 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, 83, 87)` looks like.

```
.text, #text, p{  
  color:rgb(255, 83, 87)  
}
```

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, 83, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 87) }
```

Border

The CSS property to change the border of an element to XYZ 46.0536, 28.1346, 12.0201 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, 83, 87) }
```


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

```
.border{ border-color:rgb(255, 83, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 83, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0536, 28.1346, 12.0201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 87) }
```

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

```
.background{ background-color: rgb(255, 83,  
87) }
```

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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