

Converting Colors

XYZ(60.9821, 36.7332, 10.4975)

Have a look what the booklet for
XYZ(60.9821, 36.7332, 10.4975)
contains.

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Color

**XYZ(46.1662, 29.0803,
9.8364)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5A4B
RGB	255, 90, 75
RGB Percent	100%, 35%, 29%
CMY	0.0000, 0.6470, 0.7059
CMYK	0.00, 0.65, 0.71, 0.00
HSL	5°, 100%, 65%
HSV	5°, 71%, 100%
XYZ	46.1662, 29.0803, 9.8364
YIQ	137.6250, 103.1550, 30.3150

Conversions

Conversions Part 2

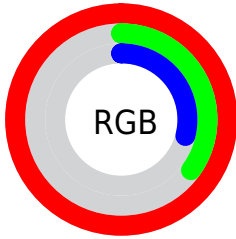
Format	Color
R_{YB}	255, 91, 75
Decimal	16734795
CIE _{Lab}	60.85, 61.78, 42.76
CIE _{LCh}	61, 75.133, 34.693
Yxy	29.0803, 0.5426, 0.3418
Android (android.graphics.Color)	4294924875 (0xFFFF5A4B)
YUV	137.6250, -30.8741, 102.9379
Hunter-Lab	53.9262, 58.4431, 26.9335

Details

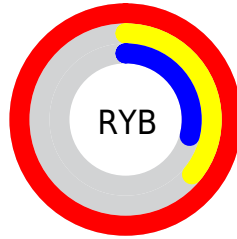
The XYZ color **46.1662, 29.0803, 9.8364** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **52.1087, 71.0301, 105.5710**, and the grayscale version is **24.1023, 25.3575, 27.6143**.

A 20% lighter version of the original color is **55.3754, 43.6081, 24.9006**, and **22.0343, 11.8183, 2.2822** is the 20% darker color. If you saturate the color by 10%, you get **43.7904, 25.4572, 5.5672**, and if you desaturate by 10%, it is **49.5124, 34.0858, 16.1537**.

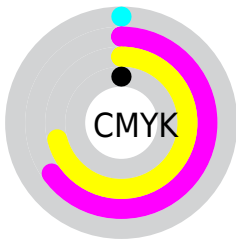
Distribution



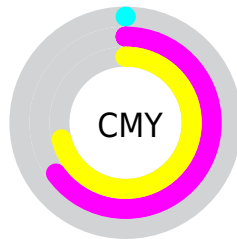
- Red (100%)
- Green (35%)
- Blue (29%)



- Red (100%)
- Yellow (36%)
- Blue (29%)



- Cyan (0%)
- Magenta (65%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1662, 29.0803, 9.8364 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 46.1662, 29.0803, 9.8364 by changing the saturation by 10% instead.


 46.1662, 29.0803,
9.8364

 46.1662, 29.0803,
9.8364

362.1812,
297.5936, 199.9426

 32.5822, 19.1416,
5.1864


 83.6940, 58.2046,
26.0903


 21.9643, 11.7726,
2.2964


 108.3685, 78.1590,
38.5313


 13.9471, 6.5890,
0.7292


 137.4705,
102.2208, 54.4065

 8.1653, 3.2065,
0.0000

 171.3655,
130.7743, 74.1343

 4.2536, 1.2404,
0.0000

 210.4186,
164.2039, 98.1332

 1.8466, 0.0944,
0.0000

254.9954,

 0.5455, 0.0000,

202.8941, 126.8219

0.0000

305.4611,
247.2292, 160.6189

■ 0.0000, 0.0000,
0.0000

■ 46.1662, 29.0803,
9.8364

■ 46.1662, 29.0803,
9.8364

■ 43.7904, 25.4572,
5.5672

■ 49.5124, 34.0858,
16.1537

■ 42.2782, 23.0728,
3.0894


■ 53.9170, 40.5887,
24.7315

■ 41.5128, 21.8060,
2.0210

■ 59.4600, 48.6976,
35.7575

■ 66.2134, 58.5098,
49.3989

■ 74.2432, 70.1146,
65.8087

 83.6104, 83.5952,
85.1278

94.3723, 99.0298,
107.4877

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.



50.9400, 29.0803, 27.4582



46.1662, 29.0803, 9.8364



36.4840, 29.0803, 3.6661

Triad

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



46.1662, 29.0803, 9.8364



13.8858, 29.0803, 13.7691



29.2073, 29.0803, 121.3951

Complementary

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



46.1662, 29.0803, 9.8364



52.1087, 71.0301, 105.5710

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.



20.3548, 29.0803, 109.5805



46.1662, 29.0803, 9.8364



12.8139, 29.0803, 36.2777

Square

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



46.1662, 29.0803, 9.8364



18.2579, 29.0803, 4.8157



14.8811, 29.0803, 73.2785



39.7857, 29.0803, 99.8044

Rectangle

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



46.1662, 29.0803, 9.8364



29.4163, 29.0803, 2.6137



14.8811, 29.0803, 73.2785



25.9366, 29.0803, 121.2718

Sweetspot

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



46.1669, 29.0820, 9.8369



73.8866, 69.6001, 65.0762



59.4840, 32.5834, 85.5918



15.3154, 14.1766, 12.9052



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.



46.1669, 29.0820, 9.8369



43.0238, 24.2614, 4.2703



58.8311, 54.4104, 14.0583



18.1311, 18.2303, 18.7075



21.7333, 11.4778, 1.0700



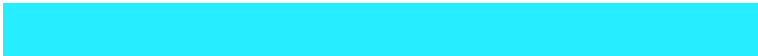
2.1558, 1.1970, 0.1174

Inverse Universe

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



52.1087, 71.0301, 105.5710



49.1213, 68.1623, 105.1754



31.8580, 30.5286, 98.8208



18.4177, 20.2070, 23.1796



24.8204, 34.5503, 54.7953



2.4533, 3.4374, 5.3474

Previews

White Background



This preview shows how the XYZ color 46.1662, 29.0803, 9.8364 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 46.1662, 29.0803, 9.8364 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 46.1662, 29.0803, 9.8364

Background



This preview shows how black text looks on a background with the XYZ color 46.1662, 29.0803, 9.8364.



This preview shows how white text looks on a background with the XYZ color 46.1662, 29.0803,

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

46.1662, 29.0803, 9.8364

Protanopia

26.9965, 29.1672, 15.0334

Deuteranopia

29.6236, 29.0829, 9.0533



Tritanopia

46.7055, 29.0298, 13.4976

Trichromacy



Original Color

46.1662, 29.0803, 9.8364

Protanomaly

31.7280, 27.2284, 12.8159

Deuteranomaly

34.3282, 27.9040, 9.2069

Tritanomaly

46.4921, 29.0766, 11.9660

Monochromacy



Original Color

46.1662, 29.0803, 9.8364

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.9879, 24.7363, 19.4664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1662, 29.0803, 9.8364 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, 90, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 75)  
}
```

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, 90, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 75) }
```

Border

The CSS property to change the border of an element to XYZ 46.1662, 29.0803, 9.8364 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, 90, 75) }
```


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

```
.border{ border-color:rgb(255, 90, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 90, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1662, 29.0803, 9.8364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 75) }
```

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

```
.background{ background-color: rgb(255, 90,  
75) }
```

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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