

Converting Colors

XYZ(46.3178, 31.6202, 13.5596)

Have a look what the booklet for
XYZ(46.3178, 31.6202, 13.5596)
contains.

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Color

**XYZ(46.3178, 31.6202,
13.5596)**

Conversions

Conversions Part 1

Format	Color
Hex	F96C5B
RGB	249, 108, 91
RGB Percent	98%, 42%, 36%
CMY	0.0235, 0.5764, 0.6431
CMYK	0.00, 0.57, 0.63, 0.02
HSL	6°, 93%, 67%
HSV	6°, 63%, 98%
XYZ	46.3178, 31.6202, 13.5596
YIQ	148.2210, 89.4930, 24.6050

Conversions

Conversions Part 2

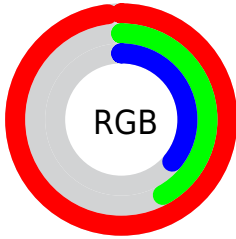
Format	Color
R _Y B	249, 110, 91
Decimal	16346203
CIE Lab	63.03, 52.83, 36.38
CIE LCh	63, 64.143, 34.552
Yxy	31.6202, 0.5062, 0.3456
Android (android.graphics.Color)	4294536283 (0xFFFF96C5B)
YUV	148.2210, -28.2100, 88.3832
Hunter-Lab	56.2318, 48.6236, 25.0653

Details

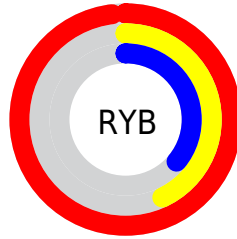
The XYZ color **46.3178, 31.6202, 13.5596** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **50.2675, 66.7721, 99.8609**, and the grayscale version is **28.3297, 29.8050, 32.4577**.

A 20% lighter version of the original color is **59.2197, 49.4074, 32.0065**, and **21.9774, 13.1672, 3.7660** is the 20% darker color. If you saturate the color by 10%, you get **43.3640, 27.1561, 8.1260**, and if you desaturate by 10%, it is **50.2263, 37.4244, 21.0692**.

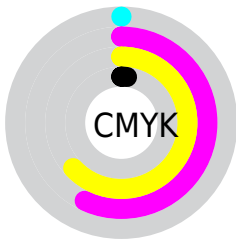
Distribution



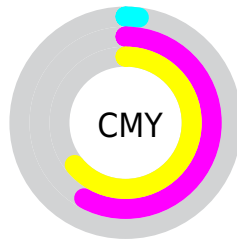
- Red (98%)
- Green (42%)
- Blue (36%)



- Red (98%)
- Yellow (43%)
- Blue (36%)



- Cyan (0%)
- Magenta (57%)
- Yellow (63%)
- Black (2%)



- Cyan (2%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3178, 31.6202, 13.5596 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 46.3178, 31.6202, 13.5596 by changing the saturation by 10% instead.


 46.3178, 31.6202,
13.5596


 46.3178, 31.6202,
13.5596


362.7794,
309.3855, 225.8059

 32.7024, 21.0716,
7.6798


 83.9194, 62.2152,
33.0113


 22.0567, 13.1763,
3.8059


 108.6362, 83.0304,
47.4203

 14.0154, 7.5501,
1.5195


 137.7842,
108.0365, 65.5094

 8.2131, 3.8084,
0.2324

 171.7288,
137.6180, 87.6972

 4.2846, 1.5670,
0.0000

210.8352,
172.1592, 114.4022

 1.8644, 0.3352,
0.0000

255.4689,

 0.5560, 0.0000,

212.0447, 146.0430

0.0000

305.9952,
257.6586, 183.0381

■ 0.0000, 0.0000,
0.0000

■ 46.3178, 31.6202,
13.5596

■ 46.3178, 31.6202,
13.5596

■ 43.3640, 27.1561,
8.1260

■ 50.2263, 37.4244,
21.0692

■ 41.2797, 23.9196,
4.5575

■ 55.1607, 44.6589,
30.8344

■ 39.9676, 21.7881,
2.6011

■ 61.1875, 53.4125,
43.0173

■ 39.4541, 20.9145,
1.9574

■ 68.3674, 63.7649,
57.7646

■ 76.7562, 75.7904,
75.2113

86.4064, 89.5586,
95.4828

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



50.3539, 31.6202, 30.7122



46.3178, 31.6202, 13.5596



37.9553, 31.6202, 6.5424

Triad

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



46.3178, 31.6202, 13.5596



17.1824, 31.6202, 17.4775



31.4218, 31.6202, 109.2021

Complementary

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



46.3178, 31.6202, 13.5596



50.2675, 66.7721, 99.8609

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.



23.3333, 31.6202, 99.6427



46.3178, 31.6202, 13.5596



16.1079, 31.6202, 38.4342

Square

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



46.3178, 31.6202, 13.5596



21.4167, 31.6202, 7.9027



18.1275, 31.6202, 70.0243



40.7481, 31.6202, 92.0088

Rectangle

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



46.3178, 31.6202, 13.5596



31.6948, 31.6202, 5.1655



18.1275, 31.6202, 70.0243



28.4709, 31.6202, 109.0593

Sweetspot

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



46.3185, 31.6219, 13.5601



75.9324, 72.7128, 68.7763



57.5444, 33.5166, 80.6767



15.7259, 14.8076, 13.6279



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.



46.3185, 31.6219, 13.5601



45.1097, 27.6430, 7.4013



58.4718, 55.9286, 17.6112



17.3950, 17.5258, 17.9284



21.1676, 11.2919, 1.0639



2.0083, 1.1415, 0.1145

Inverse Universe

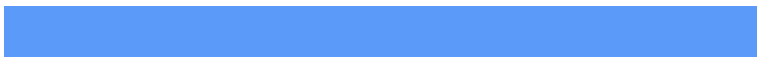
The Inverse Universe completely reimagines the original color for something new.



50.2675, 66.7721, 99.8609



49.4490, 67.1429, 104.9614



33.0019, 32.2411, 94.1057



17.5969, 19.2705, 22.1774



23.2270, 31.8096, 52.8892



2.1955, 3.0347, 4.9132

Previews

White Background



This preview shows how the XYZ color 46.3178, 31.6202, 13.5596 looks on a white background.

Color Contrast Check

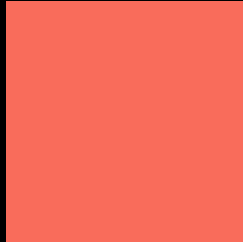
Large Text (above 18pt) WCAG AA × Fail

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 46.3178, 31.6202, 13.5596 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 46.3178, 31.6202, 13.5596

Background



This preview shows how black text looks on a background with the XYZ color 46.3178, 31.6202, 13.5596.



This preview shows how white text looks on a background with the XYZ color 46.3178, 31.6202,

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

46.3178, 31.6202, 13.5596

Protanopia

29.6151, 31.8645, 18.7769

Deuteranopia

32.3726, 31.7627, 12.8121



Tritanopia

47.4005, 31.5970, 18.9298

Trichromacy



Original Color

46.3178, 31.6202, 13.5596

Protanomaly

34.1089, 30.5864, 16.6764

Deuteranomaly

36.5499, 30.8923, 13.0532

Tritanomaly

47.0771, 31.6315, 16.7210

Monochromacy



Original Color

46.3178, 31.6202, 13.5596

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.2259, 28.6217, 23.9047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3178, 31.6202, 13.5596 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(249, 108, 91)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 91)  
}
```

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(249, 108, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 91) }
```

Border

The CSS property to change the border of an element to XYZ 46.3178, 31.6202, 13.5596 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(249, 108, 91) }
```


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

```
.border{ border-color:rgb(249, 108, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 108, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 91);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3178, 31.6202, 13.5596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 91) }
```

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

```
.background{ background-color: rgb(249,  
108, 91) }
```

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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