

Converting Colors

XYZ(47.7237, 36.6234, 18.8357)

Have a look what the booklet for
XYZ(47.7237, 36.6234, 18.8357)
contains.

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Color

**XYZ(47.5760, 36.4625,
18.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	F2846C
RGB	242, 132, 108
RGB Percent	95%, 52%, 42%
CMY	0.0510, 0.4823, 0.5765
CMYK	0.00, 0.45, 0.55, 0.05
HSL	11°, 84%, 69%
HSV	11°, 55%, 95%
XYZ	47.5760, 36.4625, 18.7178
YIQ	162.1540, 73.2640, 15.8560

Conversions

Conversions Part 2

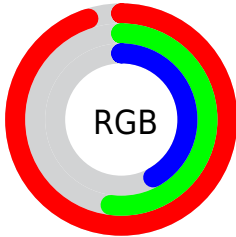
Format	Color
R _Y B	242, 137, 108
Decimal	15893612
CIE Lab	66.87, 39.79, 31.68
CIE LCh	67, 50.859, 38.523
Yxy	36.4625, 0.4630, 0.3548
Android (android.graphics.Color)	4294083692 (0xFFFF2846C)
YUV	162.1540, -26.6979, 70.0249
Hunter-Lab	60.3842, 34.9658, 23.8903

Details

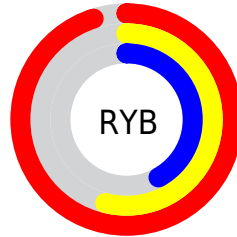
The XYZ color **47.5760, 36.4625, 18.7178** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.2812, 59.7385, 93.0427**, and the grayscale version is **34.5130, 36.3104, 39.5420**.

A 20% lighter version of the original color is **65.3555, 59.3387, 41.2666**, and **22.7403, 15.8873, 6.1430** is the 20% darker color. If you saturate the color by 10%, you get **44.0202, 31.1340, 12.0361**, and if you desaturate by 10%, it is **52.0039, 42.9635, 27.4539**.

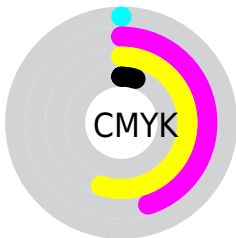
Distribution



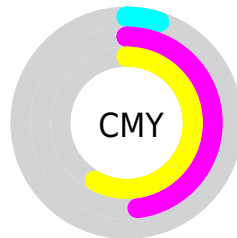
- Red (95%)
- Green (52%)
- Blue (42%)



- Red (95%)
- Yellow (54%)
- Blue (42%)



- Cyan (0%)
- Magenta (45%)
- Yellow (55%)
- Black (5%)



- Cyan (5%)
- Magenta (48%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5760, 36.4625, 18.7178 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 47.5760, 36.4625, 18.7178 by changing the saturation by 10% instead.

47.5760, 36.4625,
18.7178

47.5760, 36.4625,
18.7178

367.7196,
330.9776, 257.2570

33.7011, 24.7916,
11.2918

85.7863, 69.7453,
42.0870

22.8259, 15.9219,
6.1468

110.8524, 92.1261,
58.8673

14.5850, 9.4689,
2.8643

140.3796,
118.8455, 79.6028

8.6130, 5.0483,
1.0258

174.7333,
150.2881, 104.7121

4.5447, 2.2756,
0.0000

214.2787,
186.8382, 134.6135

2.0147, 0.7608,
0.0000

259.3814,

0.6422, 0.0000,

228.8802, 169.7258

0.0000

310.4066,
276.7985, 210.4675

■ 0.0000, 0.0000,
0.0000

■ 47.5760, 36.4625,
18.7178

■ 47.5760, 36.4625,
18.7178

■ 44.0202, 31.1340,
12.0361

■ 52.0039, 42.9635,
27.4539

■ 41.2742, 26.9018,
7.2371

■ 57.3550, 50.6958,
38.3932

■ 39.2714, 23.6893,
4.1242

■ 63.6795, 59.7212,
51.6728

■ 37.9320, 21.4071,
2.4555

■ 71.0233, 70.0954,
67.4182

■ 37.4946, 20.6308,
2.0060

■ 79.4291, 81.8709,
85.7458

88.9373, 95.0976,
106.7646

90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



51.4545, 36.4625, 33.7440



47.5760, 36.4625, 18.7178



40.3639, 36.4625, 11.8748

Triad

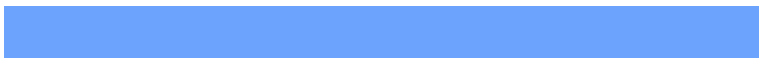
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.5760, 36.4625, 18.7178



22.6257, 36.4625, 26.1142



36.8970, 36.4625, 98.1198

Complementary

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



47.5760, 36.4625, 18.7178



47.2812, 59.7385, 93.0427

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.



29.5142, 36.4625, 93.6637



47.5760, 36.4625, 18.7178



21.9814, 36.4625, 46.3218

Square

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



47.5760, 36.4625, 18.7178



26.2301, 36.4625, 14.9124



24.3172, 36.4625, 72.3928



44.7181, 36.4625, 82.9643

Rectangle

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



47.5760, 36.4625, 18.7178



35.0395, 36.4625, 10.6121



24.3172, 36.4625, 72.3928



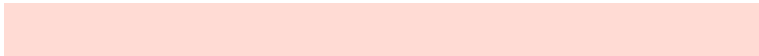
34.2763, 36.4625, 98.9522

Sweetspot

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



47.5769, 36.4644, 18.7185



78.5198, 76.8763, 72.7563



54.8546, 34.7522, 71.2955



16.4381, 15.9354, 14.7798



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.



47.5769, 36.4644, 18.7185



49.2920, 34.6312, 13.0392



59.3667, 60.0440, 22.6484



16.0018, 16.2167, 16.4365



20.2123, 11.2228, 1.1009



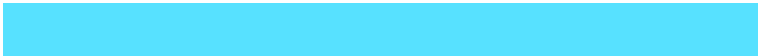
1.7456, 1.0618, 0.1129

Inverse Universe

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



47.2812, 59.7385, 93.0427



48.8369, 63.0005, 104.1941



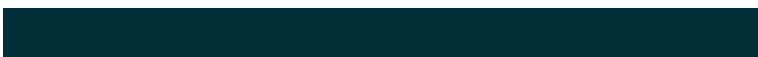
33.5483, 32.2727, 88.4651



15.9925, 17.4191, 20.2409



19.6295, 25.4832, 49.0120



1.6952, 2.2444, 4.0981

Previews

White Background



This preview shows how the XYZ color 47.5760, 36.4625, 18.7178 looks on a white background.

Color Contrast Check

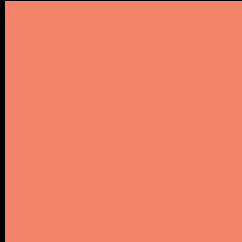
Large Text (above 18pt) WCAG AA × Fail

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 47.5760, 36.4625, 18.7178 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 47.5760, 36.4625, 18.7178

Background



This preview shows how black text looks on a background with the XYZ color 47.5760, 36.4625, 18.7178.



This preview shows how white text looks on a background with the XYZ color 47.5760, 36.4625,

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

47.5760, 36.4625, 18.7178

Protanopia

34.2276, 36.6888, 23.3668

Deuteranopia

37.4131, 36.6467, 18.1983



Tritanopia

49.5428, 36.4776, 28.0966

Trichromacy



Original Color

47.5760, 36.4625, 18.7178

Protanomaly

37.9338, 35.8595, 21.4453

Deuteranomaly

40.4241, 36.0335, 18.1892

Tritanomaly

48.5783, 36.2616, 24.1775

Monochromacy



Original Color

47.5760, 36.4625, 18.7178

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.4350, 35.1626, 30.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5760, 36.4625, 18.7178 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(242, 132, 108)` looks like.

```
.text, #text, p{  
    color:rgb(242, 132, 108)  
}
```

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(242, 132, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 132, 108) }
```

Border

The CSS property to change the border of an element to XYZ 47.5760, 36.4625, 18.7178 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(242, 132, 108) }
```


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

```
.border{ border-color:rgb(242, 132, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 132, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 132, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 132, 108);  
box-shadow:4px 4px 4px 4px rgb(242, 132,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5760, 36.4625, 18.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 132, 108) }
```

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

```
.background{ background-color: rgb(242,  
132, 108) }
```

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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