

Converting Colors

XYZ(80.9946, 58.9840, 25.0727)

Have a look what the booklet for
XYZ(80.9946, 58.9840, 25.0727)
contains.

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Color

**XYZ(56.5797, 46.4174,
24.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9C79
RGB	255, 156, 121
RGB Percent	100%, 61%, 47%
CMY	0.0000, 0.3882, 0.5255
CMYK	0.00, 0.39, 0.53, 0.00
HSL	16°, 100%, 74%
HSV	16°, 53%, 100%
XYZ	56.5797, 46.4174, 24.0665
YIQ	181.6110, 70.2390, 10.1030

Conversions

Conversions Part 2

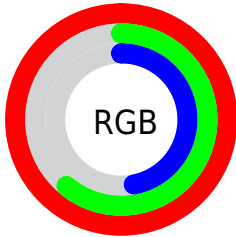
Format	Color
R_{YB}	255, 168, 121
Decimal	16751737
CIE _{Lab}	73.82, 33.47, 33.93
CIE _{LCh}	74, 47.661, 45.389
Yxy	46.4174, 0.4453, 0.3653
Android (android.graphics.Color)	4294941817 (0xFFFF9C79)
YUV	181.6110, -29.8812, 64.3622
Hunter-Lab	68.1303, 29.0096, 26.7475

Details

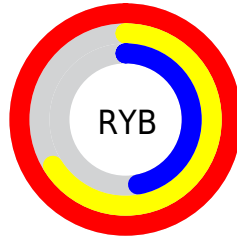
The XYZ color **56.5797, 46.4174, 24.0665** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.5270, 62.4683, 103.9494**, and the grayscale version is **44.3835, 46.6949, 50.8508**.

A 20% lighter version of the original color is **72.1742, 70.9045, 49.9263**, and **28.3681, 21.8378, 8.8509** is the 20% darker color. If you saturate the color by 10%, you get **52.2980, 40.0346, 15.9174**, and if you desaturate by 10%, it is **61.7672, 53.9507, 34.5571**.

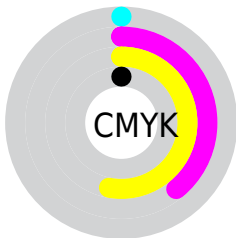
Distribution



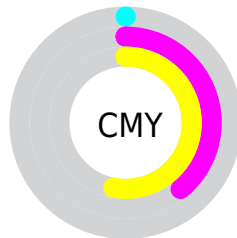
- Red (100%)
- Green (61%)
- Blue (47%)



- Red (100%)
- Yellow (66%)
- Blue (47%)



- Cyan (0%)
- Magenta (39%)
- Yellow (53%)
- Black (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5797, 46.4174, 24.0665 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 56.5797, 46.4174, 24.0665 by changing the saturation by 10% instead.


 56.5797, 46.4174,
24.0665


 56.5797, 46.4174,
24.0665


401.9122,
372.4842, 286.4539

 40.9067, 32.5753,
15.1703


 98.9866, 84.8433,
51.0839

 28.4335, 21.8013,
8.7910


 126.4511,
110.1960, 70.0422

 18.7949, 13.7110,
4.5102


 158.5770,
140.1543, 93.1915

 11.6253, 7.9199,
1.9092

195.7294,
175.1026, 120.9506

 6.5594, 4.0438,
0.4986

238.2738,
215.4254, 153.7378

 3.2320, 1.6981,
0.0000

286.5755,

 1.2776, 0.4224,

261.5069, 191.9717

0.0000

340.9998,
313.7318, 236.0709

■ 0.1664, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5797, 46.4174,
24.0665

■ 56.5797, 46.4174,
24.0665

■ 52.2980, 40.0346,
15.9174

■ 61.7672, 53.9507,
34.5571

■ 48.8628, 34.7370,
9.9241

■ 67.9079, 62.6815,
47.5500

■ 46.2126, 30.4628,
5.8768

■ 75.0497, 72.6627,
63.1947

■ 44.2742, 27.1405,
3.5213

■ 83.2363, 83.9416,
81.6283

■ 43.2243, 25.2288,
2.5915

■ 92.5085, 96.5633,
102.9781

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



61.7673, 46.4174, 39.1404



56.5797, 46.4174, 24.0665



48.3576, 46.4174, 17.4973

Triad

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



56.5797, 46.4174, 24.0665



30.1545, 46.4174, 39.6594



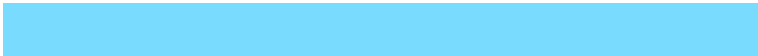
48.5854, 46.4174, 110.2061

Complementary

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



56.5797, 46.4174, 24.0665



51.5270, 62.4683, 103.9494

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.



40.1344, 46.4174, 110.4824



56.5797, 46.4174, 24.0665



30.1990, 46.4174, 63.9640

Square

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



56.5797, 46.4174, 24.0665



33.5053, 46.4174, 24.3410



33.6358, 46.4174, 91.5731



56.7648, 46.4174, 90.9081

Rectangle

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



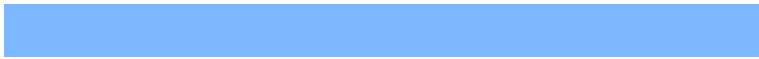
56.5797, 46.4174, 24.0665



42.6055, 46.4174, 16.8628



33.6358, 46.4174, 91.5731



45.6666, 46.4174, 112.6913

Sweetspot

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



56.5808, 46.4198, 24.0674



80.2902, 79.8993, 74.9427



61.1954, 40.1822, 73.2871



16.8223, 16.6018, 15.2223



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.



56.5808, 46.4198, 24.0674



52.1252, 39.7725, 15.6018



70.6799, 74.6179, 28.7671



18.3952, 18.7585, 18.7956



22.6878, 13.3868, 1.3881



2.2933, 1.4719, 0.1632

Inverse Universe

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



51.5270, 62.4683, 103.9494



46.5043, 57.2228, 103.2018



37.5738, 34.5620, 99.2983



18.1297, 19.6310, 23.0836



18.9989, 22.9074, 52.8548



1.9387, 2.4080, 5.1759

Previews

White Background



This preview shows how the XYZ color 56.5797, 46.4174, 24.0665 looks on a white background.

Color Contrast Check

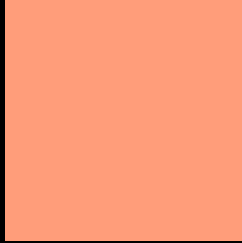
Large Text (above 18pt) WCAG AA × Fail

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 56.5797, 46.4174, 24.0665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

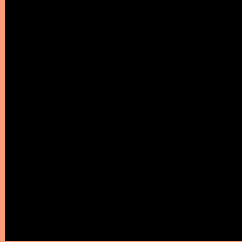
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5797, 46.4174, 24.0665

Background



This preview shows how black text looks on a background with the XYZ color 56.5797, 46.4174, 24.0665.



This preview shows how white text looks on a background with the XYZ color 56.5797, 46.4174,

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

56.5797, 46.4174, 24.0665

Protanopia

43.6578, 46.8576, 28.5732

Deuteranopia

47.6195, 46.6402, 23.6322



Tritanopia

59.0791, 46.3608, 40.4851

Trichromacy



Original Color

56.5797, 46.4174, 24.0665



Protanomaly

47.4551, 46.1974, 26.8379



Deuteranomaly

50.4272, 46.1251, 23.6980



Tritanomaly

57.9765, 46.1806, 33.8750

Monochromacy



Original Color

56.5797, 46.4174, 24.0665



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

47.5832, 45.9805, 39.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5797, 46.4174, 24.0665 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, 156, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 121)  
}
```

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, 156, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 121) }
```

Border

The CSS property to change the border of an element to XYZ 56.5797, 46.4174, 24.0665 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, 156, 121) }
```


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

```
.border{ border-color:rgb(255, 156, 121) }
```

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

Here you see how a box with a 4 pixel rgb(255, 156, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5797, 46.4174, 24.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 121) }
```

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

```
.background{ background-color: rgb(255,  
156, 121) }
```

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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