

Converting Colors

XYZ(52.5236, 34.0472, 13.0256)

Have a look what the booklet for
XYZ(52.5236, 34.0472, 13.0256)
contains.

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Color

**XYZ(47.8517, 31.6651,
12.8224)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6758
RGB	255, 103, 88
RGB Percent	100%, 40%, 35%
CMY	0.0000, 0.5960, 0.6549
CMYK	0.00, 0.60, 0.65, 0.00
HSL	5°, 100%, 67%
HSV	5°, 65%, 100%
XYZ	47.8517, 31.6651, 12.8224
YIQ	146.7380, 95.4070, 27.5590

Conversions

Conversions Part 2

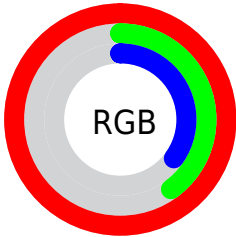
Format	Color
R_{YB}	255, 104, 88
Decimal	16738136
CIE Lab	63.07, 56.96, 38.29
CIE LCh	63, 68.635, 33.907
Yxy	31.6651, 0.5182, 0.3429
Android (android.graphics.Color)	4294928216 (0xFFFF6758)
YUV	146.7380, -28.9578, 94.9458
Hunter-Lab	56.2718, 53.3151, 25.8801

Details

The XYZ color **47.8517, 31.6651, 12.8224** 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 **53.2318, 71.6093, 105.6235**, and the grayscale version is **27.7144, 29.1577, 31.7528**.

A 20% lighter version of the original color is **58.2256, 47.8913, 30.2199**, and **23.0945, 13.2504, 3.5309** is the 20% darker color. If you saturate the color by 10%, you get **44.9772, 27.3215, 7.5328**, and if you desaturate by 10%, it is **51.7374, 37.4409, 20.2710**.

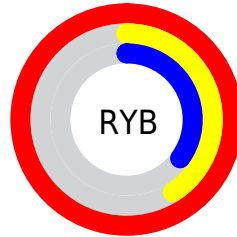
Distribution



Red (100%)

Green (40%)

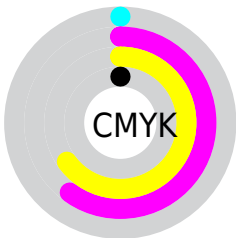
Blue (35%)



Red (100%)

Yellow (41%)

Blue (35%)

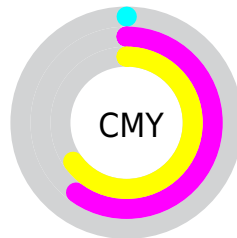


Cyan (0%)

Magenta (60%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8517, 31.6651, 12.8224 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 47.8517, 31.6651, 12.8224 by changing the saturation by 10% instead.


 47.8517, 31.6651,
12.8224

 47.8517, 31.6651,
12.8224


368.7964,
309.5908, 220.9440

 33.9202, 21.1058,
7.1771


 86.1946, 62.2857,
31.6708

 22.9949, 13.2014,
3.4930


 111.3367, 83.1158,
45.7110


 14.7104, 7.5674,
1.3515


 140.9464,
108.1383, 63.3866

 8.7014, 3.8194,
0.1035

 175.3891,
137.7377, 85.1161

 4.6025, 1.5730,
0.0000

 215.0301,
172.2982, 111.3180

 2.0483, 0.3393,
0.0000

260.2347,

 0.6609, 0.0000,

212.2043, 142.4110

0.0000

311.3684,
257.8404, 178.8135

■ 0.0000, 0.0000,
0.0000

■ 47.8517, 31.6651,
12.8224

■ 47.8517, 31.6651,
12.8224

■ 44.9772, 27.3215,
7.5328

■ 51.7374, 37.4409,
20.2710

■ 43.0168, 24.2796,
4.1696

■ 56.7150, 44.7539,
30.0755

■ 41.8577, 22.3944,
2.4484

■ 62.8594, 53.7053,
42.4126

■ 41.5445, 21.8694,
2.0316

■ 70.2384, 64.3863,
57.4414

■ 78.9146, 76.8813,
75.3080

88.9461, 91.2691,
96.1482

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



52.1279, 31.6651, 31.0502



47.8517, 31.6651, 12.8224



38.8241, 31.6651, 5.6685

Triad

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



47.8517, 31.6651, 12.8224



16.5417, 31.6651, 16.2703



31.3527, 31.6651, 116.9037

Complementary

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



47.8517, 31.6651, 12.8224



53.2318, 71.6093, 105.6235

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.



22.7863, 31.6651, 105.5835



47.8517, 31.6651, 12.8224



15.3560, 31.6651, 38.1490

Square

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



47.8517, 31.6651, 12.8224



21.0499, 31.6651, 6.8014



17.3869, 31.6651, 72.4524



41.4228, 31.6651, 98.2768

Rectangle

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



47.8517, 31.6651, 12.8224



32.0685, 31.6651, 4.2931



17.3869, 31.6651, 72.4524



28.2074, 31.6651, 116.5131

Sweetspot

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



47.8524, 31.6669, 12.8229



74.8375, 71.0165, 66.8899



60.6191, 34.5953, 86.7665



15.5037, 14.4591, 13.2586



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.



47.8524, 31.6669, 12.8229



44.1905, 26.1124, 6.1460



60.4375, 56.8370, 17.0179



18.1406, 18.2494, 18.7107



21.7522, 11.5156, 1.0763



2.1603, 1.2060, 0.1189

Inverse Universe

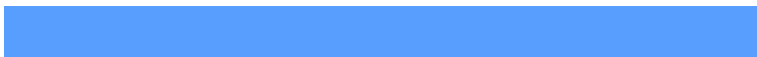
The Inverse Universe completely reimagines the original color for something new.



53.2318, 71.6093, 105.6235



49.8011, 68.4994, 105.2047



34.2304, 33.6066, 99.2897



18.4071, 20.1857, 23.1760



24.5795, 34.0685, 54.7150



2.4324, 3.3955, 5.3405

Previews

White Background



This preview shows how the XYZ color 47.8517, 31.6651, 12.8224 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 47.8517, 31.6651, 12.8224 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 47.8517, 31.6651, 12.8224

Background



This preview shows how black text looks on a background with the XYZ color 47.8517, 31.6651, 12.8224.



This preview shows how white text looks on a background with the XYZ color 47.8517, 31.6651,

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

47.8517, 31.6651, 12.8224

Protanopia

29.5621, 31.8433, 18.4982

Deuteranopia

32.4659, 31.8283, 12.0218



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

47.8517, 31.6651, 12.8224

Protanomaly

34.2529, 30.2538, 16.0908

Deuteranomaly

36.6953, 30.5868, 12.1534

Tritanomaly

48.2916, 31.6828, 15.6267

Monochromacy



Original Color

47.8517, 31.6651, 12.8224

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.1319, 28.1781, 23.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8517, 31.6651, 12.8224 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, 103, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 88)  
}
```

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, 103, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 88) }
```

Border

The CSS property to change the border of an element to XYZ 47.8517, 31.6651, 12.8224 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, 103, 88) }
```


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

```
.border{ border-color:rgb(255, 103, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8517, 31.6651, 12.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 88) }
```

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

```
.background{ background-color: rgb(255,  
103, 88) }
```

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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