

Converting Colors

XYZ(48.1561, 34.0472, 12.5329)

Have a look what the booklet for
XYZ(48.1561, 34.0472, 12.5329)
contains.

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Color

**XYZ(48.1459, 34.0739,
12.6337)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7555
RGB	252, 117, 85
RGB Percent	99%, 46%, 33%
CMY	0.0118, 0.5411, 0.6667
CMYK	0.00, 0.54, 0.66, 0.01
HSL	11°, 97%, 66%
HSV	11°, 66%, 99%
XYZ	48.1459, 34.0739, 12.6337
YIQ	153.7170, 90.7320, 18.6680

Conversions

Conversions Part 2

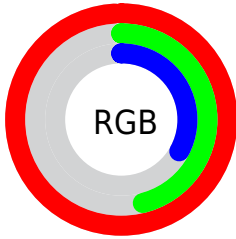
Format	Color
RYB	252, 125, 85
Decimal	16545109
CIELab	65.02, 49.35, 42.14
CIELCh	65, 64.893, 40.499
Yxy	34.0739, 0.5076, 0.3592
Android (android.graphics.Color)	4294735189 (0xFFFC7555)
YUV	153.7170, -33.8775, 86.1942
Hunter-Lab	58.3729, 45.0742, 28.0288

Details

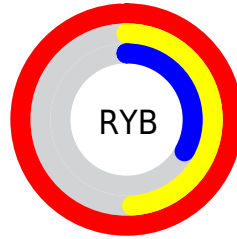
The XYZ color **48.1459, 34.0739, 12.6337** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **46.9083, 60.1420, 101.2313**, and the grayscale version is **30.7081, 32.3074, 35.1827**.

A 20% lighter version of the original color is **60.4365, 52.5426, 30.2489**, and **23.1136, 14.5138, 3.4169** is the 20% darker color. If you saturate the color by 10%, you get **45.1964, 29.5022, 7.5599**, and if you desaturate by 10%, it is **51.9697, 39.8246, 19.7572**.

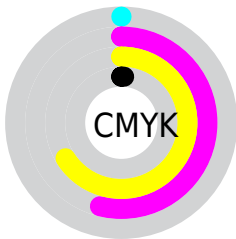
Distribution



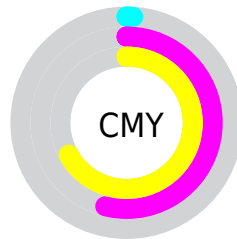
- Red (99%)
- Green (46%)
- Blue (33%)



- Red (99%)
- Yellow (49%)
- Blue (33%)



- Cyan (0%)
- Magenta (54%)
- Yellow (66%)
- Black (1%)





- Cyan (1%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1459, 34.0739, 12.6337 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 48.1459, 34.0739, 12.6337 by changing the saturation by 10% instead.


 48.1459, 34.0739,
12.6337


 48.1459, 34.0739,
12.6337

369.9431,
320.4614, 219.6813


 34.1542, 22.9504,
7.0491


 86.6300, 66.0486,
31.3256

 23.1755, 14.5569,
3.4139


 111.8530, 87.6685,
45.2699


 14.8446, 8.5090,
1.3097


 141.5506,
113.5560, 62.8379

 8.7960, 4.4223,
0.0697

 176.0880,
144.0956, 84.4481

 4.6644, 1.9125,
0.0000

 215.8306,
179.6715, 110.5189

 2.0844, 0.5559,
0.0000

261.1437,

 0.6807, 0.0000,

220.6682, 141.4691

0.0000

312.3928,
267.4700, 177.7170

■ 0.0000, 0.0000,
0.0000

■ 48.1459, 34.0739,
12.6337

■ 48.1459, 34.0739,
12.6337

■ 45.1964, 29.5022,
7.5599

■ 51.9697, 39.8246,
19.7572

■ 43.0451, 26.0202,
4.3129

■ 56.7302, 46.8240,
29.1180


■ 41.6054, 23.5344,
2.6197

■ 62.4866, 55.1425,
40.8843

■ 41.2139, 22.8337,
2.2351

■ 69.2925, 64.8440,
55.2077

■ 77.1974, 75.9880,
72.2271

 86.2478, 88.6303,
92.0717

 93.9547, 99.4353,
108.8487

Harmonies

Analogous

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



53.5786, 34.0739, 28.4545



48.1459, 34.0739, 12.6337



38.7947, 34.0739, 6.5893

Triad

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



48.1459, 34.0739, 12.6337



18.1749, 34.0739, 22.3785



35.7884, 34.0739, 114.6970

Complementary

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



48.1459, 34.0739, 12.6337



46.9083, 60.1420, 101.2313

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.



26.7254, 34.0739, 110.2967



48.1459, 34.0739, 12.6337



17.6805, 34.0739, 47.3418

Square

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



48.1459, 34.0739, 12.6337



22.0195, 34.0739, 10.0367



20.5062, 34.0739, 81.8281



45.5826, 34.0739, 91.9423

Rectangle

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



48.1459, 34.0739, 12.6337



32.2294, 34.0739, 5.6964



20.5062, 34.0739, 81.8281



32.5436, 34.0739, 116.5395

Sweetspot

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



48.1467, 34.0758, 12.6343



76.1287, 73.5988, 67.3203



56.4956, 32.4335, 71.9572



15.8070, 15.0655, 13.3596



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.



48.1467, 34.0758, 12.6343



45.5020, 28.8280, 6.2981



62.2347, 62.2518, 17.3303



17.5138, 17.7635, 17.9680



21.5478, 12.0523, 1.1906



2.0650, 1.2549, 0.1334

Inverse Universe

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



46.9083, 60.1420, 101.2313



43.9458, 56.9849, 103.2907



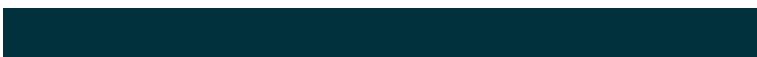
30.3889, 27.1033, 95.7248



17.4665, 19.0099, 22.1340



20.4678, 26.2912, 51.9695



1.9658, 2.5753, 4.8366

Previews

White Background



This preview shows how the XYZ color 48.1459, 34.0739, 12.6337 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 48.1459, 34.0739, 12.6337 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 48.1459, 34.0739, 12.6337

Background



This preview shows how black text looks on a background with the XYZ color 48.1459, 34.0739, 12.6337.



This preview shows how white text looks on a background with the XYZ color 48.1459, 34.0739,

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

48.1459, 34.0739, 12.6337

Protanopia

31.5404, 34.1445, 16.9848

Deuteranopia

34.9474, 34.2854, 11.9835



Tritanopia

50.0574, 34.0152, 21.6966

Trichromacy



Original Color

48.1459, 34.0739, 12.6337

Protanomaly

35.9754, 32.8887, 15.2785

Deuteranomaly

39.0367, 33.6582, 12.2238

Tritanomaly

49.1792, 33.9788, 17.8765

Monochromacy



Original Color

48.1459, 34.0739, 12.6337

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.7225, 31.5819, 25.0347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1459, 34.0739, 12.6337 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(252, 117, 85)` looks like.

```
.text, #text, p{  
    color:rgb(252, 117, 85)  
}
```

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(252, 117, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 117, 85) }
```

Border

The CSS property to change the border of an element to XYZ 48.1459, 34.0739, 12.6337 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(252, 117, 85) }
```


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

```
.border{ border-color:rgb(252, 117, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 117, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 117, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 117, 85);  
box-shadow:4px 4px 4px 4px rgb(252, 117,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1459, 34.0739, 12.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 117, 85) }
```

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

```
.background{ background-color: rgb(252,  
117, 85) }
```

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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