

Converting Colors

XYZ(47.7279, 34.2357, 4.0926)

Have a look what the booklet for
XYZ(47.7279, 34.2357, 4.0926)
contains.

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Color

**XYZ(47.7184, 34.2169,
4.0895)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7600
RGB	255, 118, 0
RGB Percent	100%, 46%, 0%
CMY	0.0000, 0.5372, 1.0000
CMYK	0.00, 0.54, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.7184, 34.2169, 4.0895
YIQ	145.5110, 119.5300, -7.6540

Conversions

Conversions Part 2

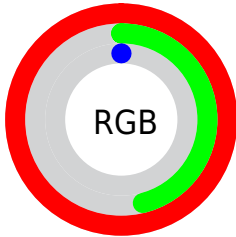
Format	Color
R _Y B	255, 220, 0
Decimal	16741888
CIE Lab	65.13, 47.67, 72.91
CIE LCh	65, 87.112, 56.819
Yxy	34.2169, 0.5547, 0.3978
Android (android.graphics.Color)	4294931968 (0xFFFF7600)
YUV	145.5110, -71.7369, 96.0219
Hunter-Lab	58.4952, 43.2476, 36.8016

Details

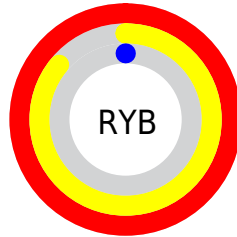
The XYZ color **47.7184, 34.2169, 4.0895** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.9954, 25.1109, 98.0309**, and the grayscale version is **27.3729, 28.7984, 31.3615**.

A 20% lighter version of the original color is **57.3209, 51.6021, 12.9003**, and **23.1255, 14.7277, 1.6239** is the 20% darker color. If you saturate the color by 10%, you get **47.7185, 34.2177, 4.0896**, and if you desaturate by 10%, it is **49.6324, 37.7558, 5.6204**.

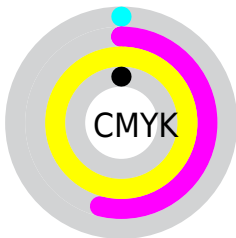
Distribution



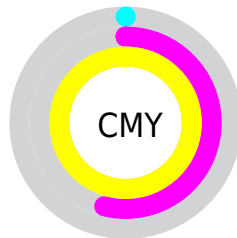
- Red (100%)
- Green (46%)
- Blue (0%)



- Red (100%)
- Yellow (86%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7184, 34.2169, 4.0895 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 47.7184, 34.2169, 4.0895 by changing the saturation by 10% instead.


 47.7184, 34.2169,
4.0895


 47.7184, 34.2169,
4.0895


368.2760,
321.0981, 149.2150

 33.8143, 23.0603,
1.6746


 85.9972, 66.2708,
14.2157


 22.9132, 14.6380,
0.3432


 111.1026, 87.9369,
22.7640

 14.6497, 8.5657,
0.0000


 140.6725,
113.8750, 34.1938

 8.6586, 4.4590,
0.0000

 175.0721,
144.4693, 48.9237

 4.5745, 1.9335,
0.0000

 214.6670,
180.1044, 67.3723


 2.0320, 0.5684,
0.0000

 259.8223,


 0.6519, 0.0000,


221.1647, 89.9580


0.0000


 310.9036,
268.0344, 117.0994


 0.0000, 0.0000,
0.0000

 47.7184, 34.2169,
4.0895


 47.7184, 34.2169,
4.0895


 47.7185, 34.2177,
4.0896

 49.6324, 37.7558,
5.6204

 52.0252, 41.8746,
8.4735

 54.9785, 46.6219,
13.0318

 58.5448, 52.0324,
19.5302

 62.7694, 58.1369,
28.1660

67.6920, 64.9639,
39.1121

73.3492, 72.5398,
52.5231

79.7744, 80.8894,
68.5404

86.9989, 90.0362,
87.2944

Harmonies

Analogous

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



59.3898, 34.2169, 13.8500



47.7184, 34.2169, 4.0895



33.8893, 34.2169, 2.0158

Triad

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



47.7184, 34.2169, 4.0895



13.7912, 34.2169, 33.5264



44.7657, 34.2169, 140.2877

Complementary

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



47.7184, 34.2169, 4.0895



26.9954, 25.1109, 98.0309

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.



31.1922, 34.2169, 158.9179



47.7184, 34.2169, 4.0895



15.2973, 34.2169, 78.3091

Square

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



47.7184, 34.2169, 4.0895



16.1275, 34.2169, 10.6716



20.9523, 34.2169, 131.1467



57.3979, 34.2169, 89.8055

Rectangle

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



47.7184, 34.2169, 4.0895



25.9846, 34.2169, 2.4549



20.9523, 34.2169, 131.1467



40.0734, 34.2169, 151.4876

Sweetspot

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



47.7191, 34.2188, 4.0901



73.3478, 72.5377, 52.5185



45.9920, 23.1609, 26.9555



15.1693, 14.8225, 9.9646



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.



47.7191, 34.2188, 4.0901



47.7190, 34.2180, 4.0897



73.0660, 84.9126, 12.5390



18.7021, 19.3725, 18.8979



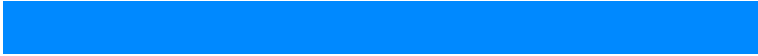
25.0800, 18.1712, 2.1855



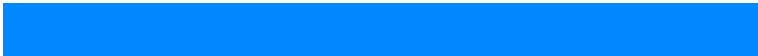
2.5499, 1.9851, 0.2488

Inverse Universe

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



26.9954, 25.1109, 98.0309



26.9950, 25.1099, 98.0317



18.1908, 7.5017, 95.0960



17.8113, 18.9943, 22.9775



14.2566, 13.4227, 51.2740



1.4975, 1.5257, 5.0288

Previews

White Background



This preview shows how the XYZ color 47.7184, 34.2169, 4.0895 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 47.7184, 34.2169, 4.0895 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 47.7184, 34.2169, 4.0895

Background



This preview shows how black text looks on a background with the XYZ color 47.7184, 34.2169, 4.0895.



This preview shows how white text looks on a background with the XYZ color 47.7184, 34.2169,

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

47.7184, 34.2169, 4.0895

Protanopia

31.1432, 34.4418, 5.8171

Deuteranopia

34.7258, 34.0921, 4.7502



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

47.7184, 34.2169, 4.0895

Protanomaly

35.7916, 33.2464, 4.9827

Deuteranomaly

38.6037, 33.3926, 4.4108

Tritanomaly

48.5618, 33.8164, 10.8052

Monochromacy



Original Color

47.7184, 34.2169, 4.0895

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.0296, 28.8377, 14.2867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7184, 34.2169, 4.0895 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 0)  
}
```

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, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.7184, 34.2169, 4.0895 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, 118, 0) }
```


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

```
.border{ border-color:rgb(255, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7184, 34.2169, 4.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 0) }
```

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

```
.background{ background-color: rgb(255,  
118, 0) }
```

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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