

Converting Colors

XYZ(44.9601, 28.4536, 3.9305)

Have a look what the booklet for
XYZ(44.9601, 28.4536, 3.9305)
contains.

XYZ(44.9670, 28.4666, 3.9352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.9670, 28.4666,
3.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5917
RGB	255, 89, 23
RGB Percent	100%, 35%, 9%
CMY	0.0000, 0.6509, 0.9098
CMYK	0.00, 0.65, 0.91, 0.00
HSL	17°, 100%, 55%
HSV	17°, 91%, 100%
XYZ	44.9670, 28.4666, 3.9352
YIQ	131.1100, 120.1220, 14.6660

Conversions

Conversions Part 2

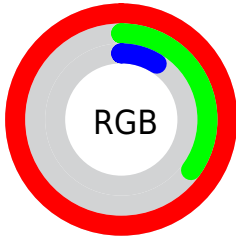
Format	Color
R_{YB}	255, 115, 23
Decimal	16734487
CIE _{Lab}	60.31, 60.69, 65.44
CIE _{LCh}	60, 89.250, 47.157
Yxy	28.4666, 0.5812, 0.3679
Android (android.graphics.Color)	4294924567 (0xFFFF5917)
YUV	131.1100, -53.2982, 108.6515
Hunter-Lab	53.3541, 57.0707, 32.9749

Details

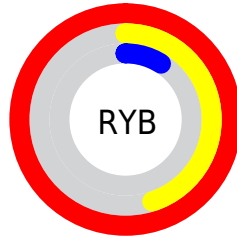
The XYZ color **44.9670, 28.4666, 3.9352** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **36.5989, 43.7935, 101.1309**, and the grayscale version is **21.7687, 22.9024, 24.9407**.

A 20% lighter version of the original color is **52.8940, 42.3678, 12.5977**, and **21.3129, 11.4721, 1.0910** is the 20% darker color. If you saturate the color by 10%, you get **43.5929, 25.9663, 2.7144**, and if you desaturate by 10%, it is **47.0680, 32.0462, 6.5558**.

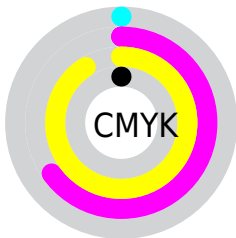
Distribution



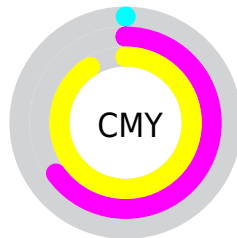
- Red (100%)
- Green (35%)
- Blue (9%)



- Red (100%)
- Yellow (45%)
- Blue (9%)



- Cyan (0%)
- Magenta (65%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9670, 28.4666, 3.9352 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 44.9670, 28.4666, 3.9352 by changing the saturation by 10% instead.


 44.9670, 28.4666,
3.9352


 44.9670, 28.4666,
3.9352


357.4258,
294.6898, 147.5024


 31.6326, 18.6777,
1.5899


 81.9083, 57.2285,
13.8600

 21.2352, 11.4376,
0.2836


 106.2458, 76.9703,
22.2766


 13.4095, 6.3620,
0.0000


 134.9818,
100.7986, 33.5540

 7.7901, 3.0664,
0.0000

 168.4816,
129.0976, 48.1108

 4.0116, 1.1665,
0.0000

 207.1106,
162.2519, 66.3655


 1.7087, 0.0341,
0.0000

 251.2340,


 0.4617, 0.0000,


200.6457, 88.7366


0.0000


 301.2173,
244.6636, 115.6427


 0.0000, 0.0000,
0.0000


 44.9670, 28.4666,
3.9352


 44.9670, 28.4666,
3.9352


 43.5929, 25.9663,
2.7144

 47.0680, 32.0462,
6.5558

 49.8729, 36.5485,
10.9050

 53.4505, 42.0396,
17.2281

 57.8600, 48.5775,
25.7298

 63.1538, 56.2152,
36.5888

69.3800, 65.0019,
49.9655

76.5831, 74.9837,
66.0056

84.8042, 86.2043,
84.8441

94.0825, 98.7048,
106.6065

Harmonies

Analogous

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



54.0298, 28.4666, 15.8626



44.9670, 28.4666, 3.9352



32.2535, 28.4666, 1.2032

Triad

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



44.9670, 28.4666, 3.9352



10.7625, 28.4666, 18.9824



34.0881, 28.4666, 138.7751

Complementary

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



44.9670, 28.4666, 3.9352



36.5989, 43.7935, 101.1309

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.



22.4503, 28.4666, 142.1410



44.9670, 28.4666, 3.9352



10.9964, 28.4666, 53.5757

Square

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



44.9670, 28.4666, 3.9352



13.9071, 28.4666, 4.8459



14.6732, 28.4666, 104.0658



46.6324, 28.4666, 96.7162

Rectangle

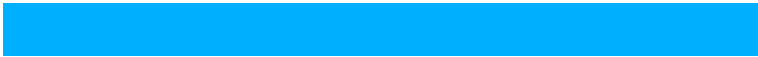
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9670, 28.4666, 3.9352



24.4041, 28.4666, 1.0829



14.6732, 28.4666, 104.0658



29.8947, 28.4666, 145.1610

Sweetspot

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



44.9676, 28.4683, 3.9356



72.1275, 68.8288, 56.0218



50.7604, 25.5584, 50.5540



14.9317, 14.0270, 10.8732



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.



44.9676, 28.4683, 3.9356



43.5933, 25.9666, 2.7144



63.1619, 64.8568, 10.0004



18.4302, 18.8286, 18.8072



22.8873, 13.7859, 1.4547



2.3167, 1.5187, 0.1710

Inverse Universe

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



36.5989, 43.7935, 101.1309



34.8696, 40.8592, 100.6565



20.8035, 12.2026, 95.8658



18.0925, 19.5566, 23.0712



18.3538, 21.6171, 52.6398



1.8802, 2.2911, 5.1564

Previews

White Background



This preview shows how the XYZ color 44.9670, 28.4666, 3.9352 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 44.9670, 28.4666, 3.9352 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 × Fail

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

XYZ 44.9670, 28.4666, 3.9352

Background



This preview shows how black text looks on a background with the XYZ color 44.9670, 28.4666, 3.9352.



This preview shows how white text looks on a background with the XYZ color 44.9670, 28.4666,

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

44.9670, 28.4666, 3.9352

Protanopia

25.9386, 28.5902, 5.9851

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

46.2917, 28.4783, 12.5082

Trichromacy



Original Color

44.9670, 28.4666, 3.9352

Protanomaly

30.6341, 26.6474, 4.9677

Deuteranomaly

33.3386, 27.1521, 3.7135

Tritanomaly

45.5219, 28.2972, 8.0637

Monochromacy



Original Color

44.9670, 28.4666, 3.9352

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.0817, 22.4936, 13.0923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9670, 28.4666, 3.9352 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, 89, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 23)  
}
```

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, 89, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 23) }
```

Border

The CSS property to change the border of an element to XYZ 44.9670, 28.4666, 3.9352 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, 89, 23) }
```


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

```
.border{ border-color:rgb(255, 89, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9670, 28.4666, 3.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 23) }
```

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

```
.background{ background-color: rgb(255, 89,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor