

Converting Colors

XYZ(53.8329, 46.2245, 6.8095)

Have a look what the booklet for
XYZ(53.8329, 46.2245, 6.8095)
contains.

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Color

**XYZ(53.7735, 46.1104,
6.7755)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9F15
RGB	255, 159, 21
RGB Percent	100%, 62%, 8%
CMY	0.0000, 0.3764, 0.9176
CMYK	0.00, 0.38, 0.92, 0.00
HSL	35°, 100%, 54%
HSV	35°, 92%, 100%
XYZ	53.7735, 46.1104, 6.7755
YIQ	171.9720, 101.5140, -22.5660

Conversions

Conversions Part 2

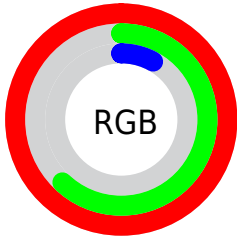
Format	Color
RYB	184, 255, 21
Decimal	16752405
CIELab	73.62, 27.26, 75.26
CIELCh	74, 80.041, 70.092
Yxy	46.1104, 0.5042, 0.4323
Android (android.graphics.Color)	4294942485 (0xFFFF9F15)
YUV	171.9720, -74.4292, 72.8156
Hunter-Lab	67.9046, 22.5205, 41.6173

Details

The XYZ color **53.7735, 46.1104, 6.7755** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **24.7207, 20.1022, 97.1842**, and the grayscale version is **39.5291, 41.5877, 45.2890**.

A 20% lighter version of the original color is **66.9663, 70.0250, 18.7908**, and **26.9959, 21.7219, 2.7699** is the 20% darker color. If you saturate the color by 10%, you get **52.2081, 43.1968, 5.5861**, and if you desaturate by 10%, it is **56.0182, 50.0117, 9.3384**.

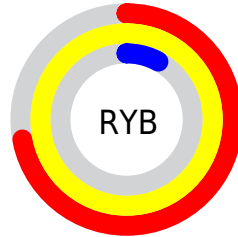
Distribution



Red (100%)

Green (62%)

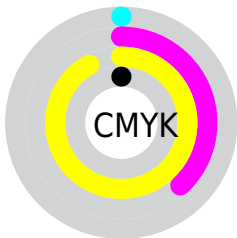
Blue (8%)



Red (72%)

Yellow (100%)

Blue (8%)

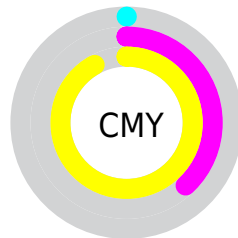


Cyan (0%)

Magenta (38%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7735, 46.1104, 6.7755 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 53.7735, 46.1104, 6.7755 by changing the saturation by 10% instead.

53.7735, 46.1104,
6.7755

53.7735, 46.1104,
6.7755

391.4582,
371.2523, 175.3446

38.6506, 32.3329,
3.2458

94.9004, 84.3842,
20.0253

26.6675, 21.6159,
1.2215

121.6352,
109.6493, 30.5824

17.4590, 13.5750,
0.0000

152.9712,
139.5125, 44.3190

10.6596, 7.8257,
0.0000

189.2738,
174.3580, 61.6538

5.9040, 3.9836,
0.0000

230.9085,
214.5704, 83.0052

2.8269, 1.6644,
0.0000

278.2406,

1.0629, 0.4004,

260.5340, 108.7918

0.0000

331.6353,
312.6332, 139.4320

■ 0.0000, 0.0000,
0.0000

■ 53.7735, 46.1104,
6.7755

■ 53.7735, 46.1104,
6.7755

■ 52.2081, 43.1968,
5.5861

■ 56.0182, 50.0117,
9.3384

■ 58.7167, 54.3419,
13.5267

■ 61.9193, 59.1287,
19.5835

■ 65.6674, 64.3942,
27.7100

■ 69.9973, 70.1581,
38.0811

■ 74.9417, 76.4385,
50.8530

■ 80.5304, 83.2525,
66.1678

■ 86.7910, 90.6158,
84.1563

■ 93.7496, 98.5435,
104.9405

Harmonies

Analogous

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



68.1469, 46.1104, 14.8572



53.7735, 46.1104, 6.7755



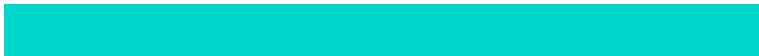
39.2240, 46.1104, 5.9064

Triad

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



53.7735, 46.1104, 6.7755



22.1039, 46.1104, 65.1566



63.8175, 46.1104, 136.6759

Complementary

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



53.7735, 46.1104, 6.7755



24.7207, 20.1022, 97.1842

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.



48.7757, 46.1104, 172.8616



53.7735, 46.1104, 6.7755



26.1138, 46.1104, 119.0830

Square

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



53.7735, 46.1104, 6.7755



22.8773, 46.1104, 28.0488



35.1887, 46.1104, 165.1013



74.7570, 46.1104, 81.7371

Rectangle

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



53.7735, 46.1104, 6.7755



31.5369, 46.1104, 8.4350



35.1887, 46.1104, 165.1013



58.9545, 46.1104, 152.4935

Sweetspot

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



53.7745, 46.1128, 6.7763



76.9671, 78.9385, 56.3079



44.8081, 23.1165, 19.3976



15.9785, 16.2837, 10.7192



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.



53.7745, 46.1128, 6.7763



52.2085, 43.1971, 5.5862



70.3214, 89.3210, 14.2443



18.8999, 19.7679, 18.9638



27.4307, 22.8727, 2.9691



2.7784, 2.4422, 0.3250

Inverse Universe

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



24.7207, 20.1022, 97.1842



23.0620, 17.2441, 96.7207



19.2131, 8.2180, 95.1806



17.6150, 18.6016, 22.9120



12.1886, 9.2867, 50.5847



1.2911, 1.1129, 4.9600

Previews

White Background



This preview shows how the XYZ color 53.7735, 46.1104, 6.7755 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 53.7735, 46.1104, 6.7755 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 53.7735, 46.1104, 6.7755

Background



This preview shows how black text looks on a background with the XYZ color 53.7735, 46.1104, 6.7755.



This preview shows how white text looks on a background with the XYZ color 53.7735, 46.1104,

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

53.7735, 46.1104, 6.7755

Protanopia

41.8394, 46.3771, 7.8451

Deuteranopia

47.0656, 46.1631, 6.4297



Tritanopia

58.7396, 45.9664, 39.4947

Trichromacy



Original Color

53.7735, 46.1104, 6.7755

Protanomaly

45.7429, 46.0303, 7.3935

Deuteranomaly

49.1224, 45.8321, 6.4872

Tritanomaly

55.6101, 45.4970, 20.6027

Monochromacy



Original Color

53.7735, 46.1104, 6.7755

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.3867, 41.4783, 22.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7735, 46.1104, 6.7755 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, 159, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 21)  
}
```

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, 159, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 21) }
```

Border

The CSS property to change the border of an element to XYZ 53.7735, 46.1104, 6.7755 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, 159, 21) }
```


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

```
.border{ border-color:rgb(255, 159, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7735, 46.1104, 6.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 21) }
```

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

```
.background{ background-color: rgb(255,  
159, 21) }
```

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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