

Converting Colors

XYZ(106.9446, 77.7438, 8.8586)

Have a look what the booklet for
XYZ(106.9446, 77.7438, 8.8586)
contains.

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Color

**XYZ(56.3761, 51.5321,
6.9754)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAE00
RGB	255, 174, 0
RGB Percent	100%, 68%, 0%
CMY	0.0000, 0.3176, 0.9999
CMYK	0.00, 0.32, 1.00, 0.00
HSL	41°, 100%, 50%
HSV	41°, 100%, 100%
XYZ	56.3761, 51.5321, 6.9754
YIQ	178.3830, 104.1300, -36.9420

Conversions

Conversions Part 2

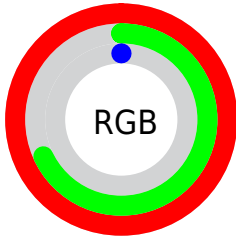
Format	Color
R_{YB}	119, 255, 0
Decimal	16756224
CIE _{Lab}	77.00, 19.24, 80.32
CIE _{LCh}	77, 82.591, 76.529
Yxy	51.5321, 0.4907, 0.4486
Android (android.graphics.Color)	4294946304 (0xFFFFAE00)
YUV	178.3830, -87.9428, 67.1931
Hunter-Lab	71.7859, 14.5574, 44.4889

Details

The XYZ color **56.3761, 51.5321, 6.9754** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **20.9934, 13.1067, 96.0305**, and the grayscale version is **42.9357, 45.1717, 49.1920**.

A 20% lighter version of the original color is **70.7445, 77.8927, 19.0907**, and **28.6978, 25.1255, 3.3372** is the 20% darker color. If you saturate the color by 10%, you get **56.3759, 51.5323, 6.9754**, and if you desaturate by 10%, it is **58.1707, 54.8320, 8.4671**.

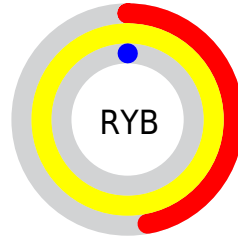
Distribution



Red (100%)

Green (68%)

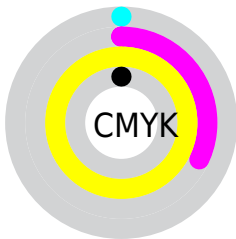
Blue (0%)



Red (47%)

Yellow (100%)

Blue (0%)

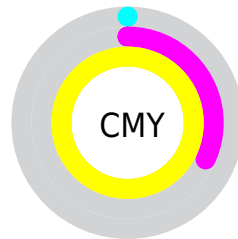


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3761, 51.5321, 6.9754 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 56.3761, 51.5321, 6.9754 by changing the saturation by 10% instead.

56.3761, 51.5321,
6.9754

56.3761, 51.5321,
6.9754

401.1594,
392.6276, 177.0823

40.7427, 36.6323,
3.3685

98.6909, 92.4408,
20.4357

28.3049, 24.9229,
1.2857

126.1030,
119.2185, 31.1262

18.6972, 16.0196,
0.0501

158.1721,
150.7242, 45.0151

11.5544, 9.5380,
0.0000

195.2635,
187.3424, 62.5207

6.5111, 5.0938,
0.0000

237.7426,
229.4574, 84.0617

3.2019, 2.3024,
0.0000

285.9747,

1.2614, 0.7750,

277.4537, 110.0566

0.0000

340.3252,
331.7156, 140.9240

■ 0.1540, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3761, 51.5321,
6.9754

■ 56.3761, 51.5321,
6.9754

■ 56.3759, 51.5323,
6.9754

■ 58.1707, 54.8320,
8.4671

■ 60.2960, 58.4156,
11.2316

■ 62.8266, 62.3174,
15.6497

■ 65.8082, 66.5581,
21.9540

■ 69.2793, 71.1555,
30.3396

■ 73.2736, 76.1255,
40.9771

■ 77.8215, 81.4825,
54.0194

■ 82.9508, 87.2398,
69.6057

■ 88.6871, 93.4099,
87.8649

Harmonies

Analogous

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



72.8999, 51.5321, 13.7772



56.3761, 51.5321, 6.9754



40.8616, 51.5321, 7.2780

Triad

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



56.3761, 51.5321, 6.9754



25.3117, 51.5321, 84.5683



74.3994, 51.5321, 139.3959

Complementary

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



56.3761, 51.5321, 6.9754



20.9934, 13.1067, 96.0305

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.



58.1075, 51.5321, 187.0308



56.3761, 51.5321, 6.9754



30.9643, 51.5321, 145.4842

Square

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



56.3761, 51.5321, 6.9754



25.0433, 51.5321, 38.2385



42.2603, 51.5321, 189.7159



84.7142, 51.5321, 78.8279

Rectangle

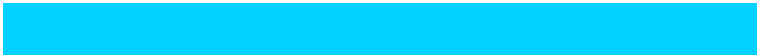
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.3761, 51.5321, 6.9754



33.0791, 51.5321, 11.2969



42.2603, 51.5321, 189.7159



69.3002, 51.5321, 158.5958

Sweetspot

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



56.3772, 51.5347, 6.9764



77.8183, 81.4787, 54.0087



42.8801, 21.9164, 10.5673



16.2311, 16.9461, 10.3185



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.



56.3772, 51.5347, 6.9764



56.3763, 51.5326, 6.9754



63.0564, 85.5914, 13.1979



19.0461, 20.0604, 19.0125



29.5982, 27.2077, 3.6916



2.9803, 2.8460, 0.3923

Inverse Universe

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



20.9934, 13.1067, 96.0305



20.9923, 13.1047, 96.0308



19.0262, 7.7236, 95.0951



17.4739, 18.3194, 22.8650



11.0869, 7.0834, 50.2175



1.1729, 0.8765, 4.9206

Previews

White Background



This preview shows how the XYZ color 56.3761, 51.5321, 6.9754 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 56.3761, 51.5321, 6.9754 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 56.3761, 51.5321, 6.9754

Background



This preview shows how black text looks on a background with the XYZ color 56.3761, 51.5321, 6.9754.



This preview shows how white text looks on a background with the XYZ color 56.3761, 51.5321,

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

56.3761, 51.5321, 6.9754

Protanopia

46.7563, 51.7491, 8.0546

Deuteranopia

52.7995, 51.7485, 7.2056



Tritanopia

62.7127, 51.6670, 47.7417

Trichromacy



Original Color

56.3761, 51.5321, 6.9754

Protanomaly

50.0425, 51.5451, 7.6283

Deuteranomaly

53.9264, 51.4336, 7.0855

Tritanomaly

58.3526, 50.8058, 22.0602

Monochromacy



Original Color

56.3761, 51.5321, 6.9754

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.1564, 45.7583, 22.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3761, 51.5321, 6.9754 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, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 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, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.3761, 51.5321, 6.9754 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, 174, 0) }
```


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

```
.border{ border-color:rgb(255, 174, 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, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3761, 51.5321, 6.9754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 0) }
```

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

```
.background{ background-color: rgb(255,  
174, 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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