

Converting Colors

XYZ(36.8997, 28.5436, 3.6567)

Have a look what the booklet for
XYZ(36.8997, 28.5436, 3.6567)
contains.

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Color

**XYZ(36.8092, 28.4171,
3.6311)**

Conversions

Conversions Part 1

Format	Color
Hex	DF7503
RGB	223, 117, 3
RGB Percent	87%, 46%, 1%
CMY	0.1255, 0.5411, 0.9882
CMYK	0.00, 0.48, 0.99, 0.13
HSL	31°, 97%, 44%
HSV	31°, 99%, 87%
XYZ	36.8092, 28.4171, 3.6311
YIQ	135.6980, 99.7700, -12.9820

Conversions

Conversions Part 2

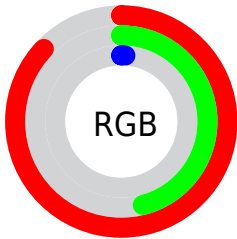
Format	Color
RYB	208, 223, 3
Decimal	14644483
CIELab	60.26, 35.73, 67.11
CIElCh	60, 76.032, 61.969
Yxy	28.4171, 0.5346, 0.4127
Android (android.graphics.Color)	4292834563 (0xFFDF7503)
YUV	135.6980, -65.4201, 76.5639
Hunter-Lab	53.3077, 29.9666, 33.2768

Details

The XYZ color **36.8092, 28.4171, 3.6311** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.8254, 16.2842, 71.9626**, and the grayscale version is **23.5006, 24.7245, 26.9249**.

A 20% lighter version of the original color is **56.7202, 50.4516, 12.5430**, and **16.7051, 11.5914, 1.3569** is the 20% darker color. If you saturate the color by 10%, you get **36.6259, 28.0771, 3.4890**, and if you desaturate by 10%, it is **38.2968, 31.1329, 4.9279**.

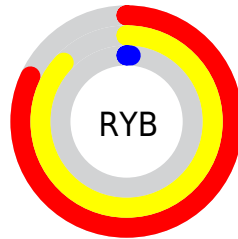
Distribution



Red (87%)

Green (46%)

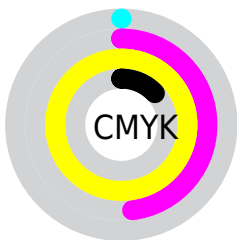
Blue (1%)



Red (82%)

Yellow (87%)

Blue (1%)

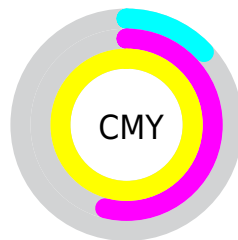


Cyan (0%)

Magenta (48%)

Yellow (99%)

Black (13%)



Cyan (13%)


Magenta (54%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8092, 28.4171, 3.6311 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 36.8092, 28.4171, 3.6311 by changing the saturation by 10% instead.


 36.8092, 28.4171,
3.6311


 36.8092, 28.4171,
3.6311


323.8536,
294.4546, 144.0323


 25.2328, 18.6403,
1.4252


 69.5950, 57.1497,
13.1496

 16.3802, 11.4107,
0.1613


 91.5351, 76.8743,
21.2993

 9.8862, 6.3438,
0.0000


 117.6604,
100.6836, 32.2674

 5.3852, 3.0552,
0.0000

 148.3364,
128.9620, 46.4724

 2.5121, 1.1606,
0.0000

 183.9283,
162.0939, 64.3329


 0.9014, 0.0292,
0.0000


 224.8016,


 0.0000, 0.0000,


200.4637, 86.2673


0.0000


 271.3216,
244.4558, 112.6943


 36.8092, 28.4171,
3.6311

 36.8092, 28.4171,
3.6311


 36.6259, 28.0771,
3.4890

 38.2968, 31.1329,
4.9279

 40.1163, 34.2174,
7.2442

 42.3191, 37.6996,
10.8252

 44.9400, 41.6000,
15.8336

 48.0089, 45.9373,
22.4075

■ 51.5527, 50.7283,
30.6685

■ 55.5955, 55.9888,
40.7259

■ 60.1599, 61.7337,
52.6799

■ 65.2668, 67.9768,
66.6230

Harmonies

Analogous

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



46.2325, 28.4171, 10.3353



36.8092, 28.4171, 3.6311



26.3707, 28.4171, 2.3270

Triad

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



36.8092, 28.4171, 3.6311



12.2752, 28.4171, 32.8227



38.1974, 28.4171, 102.4639

Complementary

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



36.8092, 28.4171, 3.6311



18.8254, 16.2842, 71.9626

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.



27.6587, 28.4171, 121.5562



36.8092, 28.4171, 3.6311



14.0261, 28.4171, 68.9487

Square

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



36.8092, 28.4171, 3.6311



13.6141, 28.4171, 11.9508



19.1247, 28.4171, 106.6164



47.1601, 28.4171, 63.6409

Rectangle

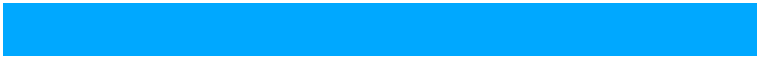
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.8092, 28.4171, 3.6311



20.5874, 28.4171, 3.0859



19.1247, 28.4171, 106.6164



34.6452, 28.4171, 112.1829

Sweetspot

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



36.8098, 28.4186, 3.6316



74.4345, 74.7111, 52.8807



33.2424, 16.8645, 16.0663



15.4258, 15.3355, 10.0501



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.



36.8098, 28.4186, 3.6316



49.5104, 37.8008, 4.6868



55.7177, 67.8934, 10.2544



14.2918, 14.8696, 14.4236



21.6494, 16.7368, 2.0895



1.5902, 1.3392, 0.1747

Inverse Universe

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



18.8254, 16.2842, 71.9626



25.1155, 21.3510, 97.4052



13.4354, 5.4360, 70.1528



13.4943, 14.3276, 17.4420



11.0622, 9.5939, 42.3171



0.8561, 0.8436, 2.9630

Previews

White Background



This preview shows how the XYZ color 36.8092, 28.4171, 3.6311 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 36.8092, 28.4171, 3.6311 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 36.8092, 28.4171, 3.6311

Background



This preview shows how black text looks on a background with the XYZ color 36.8092, 28.4171, 3.6311.



This preview shows how white text looks on a background with the XYZ color 36.8092, 28.4171,

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

36.8092, 28.4171, 3.6311

Protanopia

25.7063, 28.4973, 4.7618

Tritanopia

40.2996, 28.5291, 19.9056

Trichromacy



Original Color

36.8092, 28.4171, 3.6311

Protanomaly

28.7442, 27.6713, 4.2069

Tritanomaly

38.4282, 28.2651, 10.0869

Monochromacy



Original Color

36.8092, 28.4171, 3.6311

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.7602, 24.7299, 12.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8092, 28.4171, 3.6311 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(223, 117, 3)` looks like.

```
.text, #text, p{  
    color:rgb(223, 117, 3)  
}
```

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(223, 117, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 117, 3) }
```

Border

The CSS property to change the border of an element to XYZ 36.8092, 28.4171, 3.6311 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(223, 117, 3) }
```

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

```
.border{ border-color:rgb(223, 117, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 117, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 117, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 117, 3);  
box-shadow:4px 4px 4px 4px rgb(223, 117,  
3) }
```


Background

The CSS property to change the background color of an element to XYZ 36.8092, 28.4171, 3.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 117, 3) }
```

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

```
.background{ background-color: rgb(223,  
117, 3) }
```

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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