

Converting Colors

XYZ(42.7725, 42.1875, 6.3504)

Have a look what the booklet for
XYZ(42.7725, 42.1875, 6.3504)
contains.

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Color

**XYZ(42.9359, 42.3670,
6.3666)**

Conversions

Conversions Part 1

Format	Color
Hex	DBA60F
RGB	219, 166, 15
RGB Percent	86%, 65%, 6%
CMY	0.1412, 0.3490, 0.9411
CMYK	0.00, 0.24, 0.93, 0.14
HSL	44°, 87%, 46%
HSV	44°, 93%, 86%
XYZ	42.9359, 42.3670, 6.3666
YIQ	164.6330, 80.0590, -35.7250

Conversions

Conversions Part 2

Format	Color
RYB	87, 219, 15
Decimal	14394895
CIELab	71.12, 8.11, 72.59
CIElCh	71, 73.038, 83.621
Yxy	42.3670, 0.4684, 0.4622
Android (android.graphics.Color)	4292584975 (0xFFDBA60F)
YUV	164.6330, -73.7691, 47.6799
Hunter-Lab	65.0899, 3.8383, 39.7637

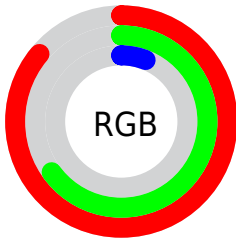
Details

The XYZ color **42.9359, 42.3670, 6.3666** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **15.0507, 9.3510, 68.0291**, and the grayscale version is **35.9051, 37.7750, 41.1370**.

A 20% lighter version of the original color is **68.6578, 73.5974, 18.7707**, and **20.4288, 19.6324, 2.7127** is the 20% darker color. If you saturate the color by 10%, you get **42.1523, 40.9380, 5.6802**, and if you desaturate by 10%, it is **44.2404, 44.5822, 8.0165**.

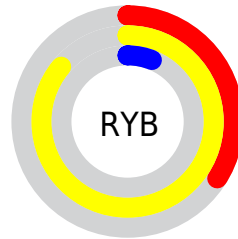
Distribution



Red (86%)

Green (65%)

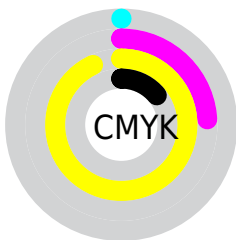
Blue (6%)



Red (34%)

Yellow (86%)

Blue (6%)

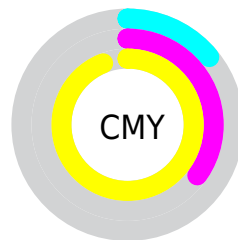


Cyan (0%)

Magenta (24%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (35%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9359, 42.3670, 6.3666 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 42.9359, 42.3670, 6.3666 by changing the saturation by 10% instead.


 42.9359, 42.3670,
6.3666


 42.9359, 42.3670,
6.3666


349.2741,
356.0020, 171.7178


 30.0291, 29.3888,
2.9969


 78.8704, 78.7548,
19.1778


 20.0089, 19.3751,
1.0930


 102.6289,
102.9331, 29.4564


 12.5098, 11.9416,
0.0000


 130.7353,
131.6136, 42.8751

 7.1665, 6.7040,
0.0000

 163.5551,
165.1806, 59.8523

 3.6137, 3.2777,
0.0000

 201.4534,
204.0185, 80.8067

 1.4860, 1.2783,
0.0000

 244.7958,

 0.3163, 0.1243,

248.5119, 106.1567

0.0000

293.9476,
299.0449, 136.3209

■ 0.0000, 0.0000,
0.0000

■ 42.9359, 42.3670,
6.3666

■ 42.9359, 42.3670,
6.3666

■ 42.1523, 40.9380,
5.6802

■ 44.2404, 44.5822,
8.0165

■ 45.7960, 46.9702,
10.7646

■ 47.6364, 49.5472,
14.7808

■ 49.7887, 52.3249,
20.2055

■ 52.2764, 55.3135,
27.1601

■ 55.1208, 58.5225,
35.7530

■ 58.3409, 61.9602,
46.0826

■ 61.9544, 65.6346,
58.2397

■ 65.9779, 69.5531,
72.3086

Harmonies

Analogous

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



55.8739, 42.3670, 10.3953



42.9359, 42.3670, 6.3666



31.5688, 42.3670, 7.8653

Triad

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



42.9359, 42.3670, 6.3666



22.3496, 42.3670, 78.6864



62.3019, 42.3670, 98.6586

Complementary

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



42.9359, 42.3670, 6.3666



15.0507, 9.3510, 68.0291

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.



50.4356, 42.3670, 139.3267



42.9359, 42.3670, 6.3666



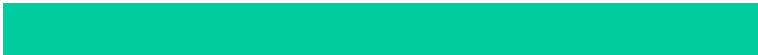
27.8785, 42.3670, 124.2819

Square

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



42.9359, 42.3670, 6.3666



21.1408, 42.3670, 39.0507



37.7140, 42.3670, 150.5232



68.4229, 42.3670, 54.0180

Rectangle

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



42.9359, 42.3670, 6.3666



26.1369, 42.3670, 12.5525



37.7140, 42.3670, 150.5232



58.7501, 42.3670, 114.0012

Sweetspot

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



42.9368, 42.3691, 6.3674



79.9754, 84.9550, 57.3107



30.4711, 15.8367, 7.1477



16.7061, 17.7387, 10.9618



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.



42.9368, 42.3691, 6.3674



59.3848, 57.5495, 7.9783



42.3000, 59.4004, 9.6884



13.8611, 14.6615, 13.8250



25.0875, 24.4605, 3.3991



1.6935, 1.7212, 0.2430

Inverse Universe

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



15.0507, 9.3510, 68.0291



20.0126, 11.1452, 95.7042



14.9821, 6.5003, 67.4825



12.6123, 13.1644, 16.5284



8.5218, 4.9130, 40.2376



0.6217, 0.4576, 2.6300

Previews

White Background



This preview shows how the XYZ color 42.9359, 42.3670, 6.3666 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 42.9359, 42.3670, 6.3666 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 42.9359, 42.3670, 6.3666

Background



This preview shows how black text looks on a background with the XYZ color 42.9359, 42.3670, 6.3666.



This preview shows how white text looks on a background with the XYZ color 42.9359, 42.3670,

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

42.9359, 42.3670, 6.3666

Protanopia

38.4735, 42.5773, 6.8066

Deuteranopia

43.0639, 42.1633, 6.3588



Tritanopia

50.1171, 42.1953, 41.5794

Trichromacy



Original Color

42.9359, 42.3670, 6.3666

Protanomaly

40.0385, 42.5279, 6.6707

Deuteranomaly

43.0639, 42.1633, 6.3588

Tritanomaly

45.8366, 41.4487, 20.6235

Monochromacy



Original Color

42.9359, 42.3670, 6.3666

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.2772, 38.3503, 20.2422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9359, 42.3670, 6.3666 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(219, 166, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 166, 15)  
}
```

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(219, 166, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 166, 15) }
```

Border

The CSS property to change the border of an element to XYZ 42.9359, 42.3670, 6.3666 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(219, 166, 15) }
```


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

```
.border{ border-color:rgb(219, 166, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 166, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 166, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 166, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 166,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9359, 42.3670, 6.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 166, 15) }
```

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

```
.background{ background-color: rgb(219,  
166, 15) }
```

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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