

Converting Colors

XYZ(36.7915, 28.7162, 8.0787)

Have a look what the booklet for
XYZ(36.7915, 28.7162, 8.0787)
contains.

XYZ(36.6525, 28.5906, 8.0016)	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(36.6525, 28.5906,
8.0016)**

Conversions

Conversions Part 1

Format	Color
Hex	DB773D
RGB	219, 119, 61
RGB Percent	86%, 47%, 24%
CMY	0.1412, 0.5333, 0.7608
CMYK	0.00, 0.46, 0.72, 0.14
HSL	22°, 69%, 55%
HSV	22°, 72%, 86%
XYZ	36.6525, 28.5906, 8.0016
YIQ	142.2880, 78.2180, 3.1620

Conversions

Conversions Part 2

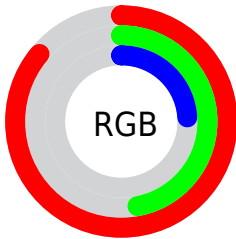
Format	Color
R_{YB}	219, 153, 61
Decimal	14382909
CIE _{Lab}	60.42, 34.55, 47.98
CIE _{LCh}	60, 59.125, 54.248
Yxy	28.5906, 0.5004, 0.3903
Android (android.graphics.Color)	4292572989 (0xFFDB773D)
YUV	142.2880, -40.0750, 67.2764
Hunter-Lab	53.4702, 28.7846, 28.5566

Details

The XYZ color **36.6525, 28.5906, 8.0016** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.4545, 31.5943, 71.6686**, and the grayscale version is **25.9582, 27.3101, 29.7407**.

A 20% lighter version of the original color is **58.8618, 51.9127, 21.9567**, and **16.2780, 11.5451, 1.6289** is the 20% darker color. If you saturate the color by 10%, you get **34.6476, 25.3402, 4.9933**, and if you desaturate by 10%, it is **39.1400, 32.4215, 12.3588**.

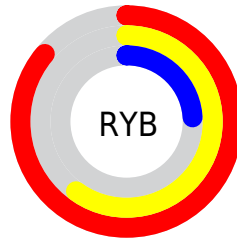
Distribution



Red (86%)

Green (47%)

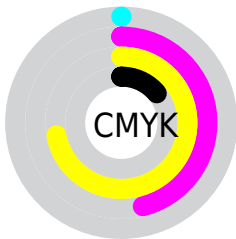
Blue (24%)



Red (86%)

Yellow (60%)

Blue (24%)

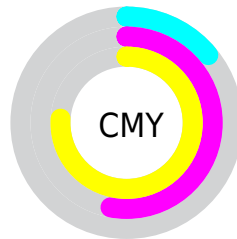


Cyan (0%)

Magenta (46%)

Yellow (72%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6525, 28.5906, 8.0016 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 36.6525, 28.5906, 8.0016 by changing the saturation by 10% instead.


 36.6525, 28.5906,
8.0016


 36.6525, 28.5906,
8.0016


323.1853,
295.2784, 185.6796

 25.1110, 18.7713,
4.0082


 69.3553, 57.4260,
22.5078

 16.2889, 11.5052,
1.6298


 91.2473, 77.2109,
33.8577

 9.8210, 6.4077,
0.3120


 117.3202,
101.0865, 48.4968

 5.3418, 3.0945,
0.0000

 147.9393,
129.4372, 66.8436

 2.4860, 1.1813,
0.0000

 183.4701,
162.6473, 89.3168

 0.8882, 0.0463,
0.0000

 224.2777,

 0.0000, 0.0000,

201.1013, 116.3349

0.0000

270.7277,
245.1835, 148.3163

■ 36.6525, 28.5906,
8.0016

■ 36.6525, 28.5906,
8.0016

■ 34.6476, 25.3402,
4.9933

■ 39.1400, 32.4215,
12.3588

■ 33.0816, 22.6324,
3.1635

■ 42.1440, 36.8582,
18.2043

■ 32.1112, 20.8561,
2.3332

■ 45.6972, 41.9299,
25.6616

■ 49.8286, 47.6620,
34.8406

■ 54.5651, 54.0786,
45.8416

■ 59.9316, 61.2025,
58.7571

■ 65.9518, 69.0554,
73.6731

■ 72.6478, 77.6579,
90.6706

■ 79.5374, 86.8284,
107.1752

Harmonies

Analogous

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



42.8197, 28.5906, 16.8959



36.6525, 28.5906, 8.0016



28.6676, 28.5906, 5.2791

Triad

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



36.6525, 28.5906, 8.0016



15.0603, 28.5906, 27.1163



33.6382, 28.5906, 87.1088

Complementary

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



36.6525, 28.5906, 8.0016



27.4545, 31.5943, 71.6686

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.



25.7342, 28.5906, 94.2170



36.6525, 28.5906, 8.0016



15.8966, 28.5906, 51.7088

Square

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



36.6525, 28.5906, 8.0016



16.9447, 28.5906, 12.5029



19.4899, 28.5906, 79.0319



40.8643, 28.5906, 62.5980

Rectangle

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



36.6525, 28.5906, 8.0016



23.7297, 28.5906, 5.6164



19.4899, 28.5906, 79.0319



30.9376, 28.5906, 91.9790

Sweetspot

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



36.6532, 28.5921, 8.0021



76.9982, 76.3010, 64.6413



37.3209, 20.9732, 35.8303



16.0710, 15.7806, 12.8711



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.



36.6532, 28.5921, 8.0021



47.6015, 33.5404, 5.4149



50.2343, 55.7544, 12.5292



13.4455, 13.8304, 13.6865



19.1364, 12.5584, 1.4154



1.3204, 0.9748, 0.1186

Inverse Universe

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



27.4545, 31.5943, 71.6686



33.7319, 37.6455, 100.0962



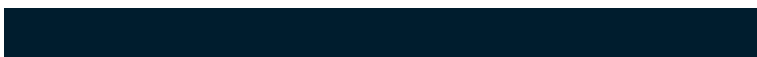
17.7331, 12.1514, 68.4281



13.0221, 13.9840, 16.6650



13.1296, 14.1286, 41.7735



0.9317, 1.0776, 2.7333

Previews

White Background



This preview shows how the XYZ color 36.6525, 28.5906, 8.0016 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 36.6525, 28.5906, 8.0016 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 36.6525, 28.5906, 8.0016

Background



This preview shows how black text looks on a background with the XYZ color 36.6525, 28.5906, 8.0016.



This preview shows how white text looks on a background with the XYZ color 36.6525, 28.5906,

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

36.6525, 28.5906, 8.0016

Protanopia

26.2534, 28.6688, 9.7802

Deuteranopia

29.2378, 28.6958, 7.7392



Tritanopia

39.3085, 28.4740, 21.1935

Trichromacy



Original Color

36.6525, 28.5906, 8.0016

Protanomaly

29.3160, 28.0689, 9.0270

Deuteranomaly

31.5207, 28.4101, 7.8254

Tritanomaly

38.2017, 28.5345, 15.2986

Monochromacy



Original Color

36.6525, 28.5906, 8.0016

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.0833, 26.7885, 19.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6525, 28.5906, 8.0016 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, 119, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 61)  
}
```

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, 119, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 61) }
```

Border

The CSS property to change the border of an element to XYZ 36.6525, 28.5906, 8.0016 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, 119, 61) }
```


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

```
.border{ border-color:rgb(219, 119, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 119, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 61);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6525, 28.5906, 8.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 61) }
```

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

```
.background{ background-color: rgb(219,  
119, 61) }
```

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