

Converting Colors

XYZ(36.5112, 28.0765, 5.7233)

Have a look what the booklet for
XYZ(36.5112, 28.0765, 5.7233)
contains.

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Color

**XYZ(36.4821, 28.0301,
5.6780)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DD742A |
| RGB | 221, 116, 42 |
| RGB Percent | 87%, 45%, 16% |
| CMY | 0.1333, 0.5451, 0.8353 |
| CMYK | 0.00, 0.48, 0.81, 0.13 |
| HSL | 25°, 72%, 52% |
| HSV | 25°, 81%, 87% |
| XYZ | 36.4821, 28.0301, 5.6780 |
| YIQ | 138.9590, 86.3340, -0.7540 |

Conversions

Conversions Part 2

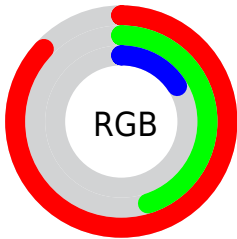
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 221, 168, 42 |
| Decimal | 14513194 |
| CIE _{Lab} | 59.92, 36.15, 56.17 |
| CIE _{LCh} | 60, 66.795, 57.237 |
| Yxy | 28.0301, 0.5198, 0.3993 |
| Android (android.graphics.Color) | 4292703274 (0xFFDD742A) |
| YUV | 138.9590, -47.8008, 71.9500 |
| Hunter-Lab | 52.9435, 30.3491, 30.7018 |

Details

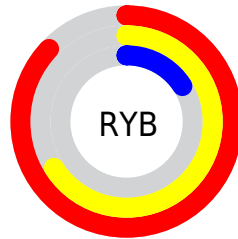
The XYZ color **36.4821, 28.0301, 5.6780** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **24.4389, 26.5784, 72.2482**, and the grayscale version is **24.6807, 25.9660, 28.2770**.

A 20% lighter version of the original color is **57.4038, 50.4262, 17.0637**, and **16.1884, 11.1515, 1.2992** is the 20% darker color. If you saturate the color by 10%, you get **34.7986, 25.1315, 3.6740**, and if you desaturate by 10%, it is **38.5932, 31.4359, 8.8994**.

Distribution



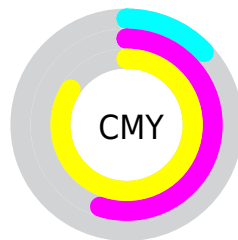
- Red (87%)
- Green (45%)
- Blue (16%)



- Red (87%)
- Yellow (66%)
- Blue (16%)



- Cyan (0%)
- Magenta (48%)
- Yellow (81%)
- Black (13%)





- Cyan (13%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4821, 28.0301, 5.6780 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 36.4821, 28.0301, 5.6780 by changing the saturation by 10% instead.


 36.4821, 28.0301,
5.6780


 36.4821, 28.0301,
5.6780


322.4574,
292.6107, 165.3670


 24.9786, 18.3484,
2.5847

 69.0945, 56.5325,
17.7248

 16.1898, 11.2004,
0.8845


 90.9342, 76.1219,
27.5153


 9.7502, 6.2018,
0.0000


 116.9499, 99.7827,
40.3754

 5.2947, 2.9682,
0.0000

 147.5071,
127.8992, 56.7235

 2.4577, 1.1151,
0.0000

 182.9711,
160.8559, 76.9781

 0.8740, 0.0000,
0.0000

 223.7073,

 0.0000, 0.0000,

199.0371, 101.5579

0.0000

270.0809,
242.8273, 130.8813

■ 36.4821, 28.0301,
5.6780

■ 36.4821, 28.0301,
5.6780

■ 34.7986, 25.1315,
3.6740

■ 38.5932, 31.4359,
8.8994

■ 33.5914, 22.9177,
2.6531

■ 41.1694, 35.3732,
13.5047

■ 44.2454, 39.8692,
19.6353

■ 47.8514, 44.9476,
27.4145

■ 52.0149, 50.6307,
36.9530

■ 56.7612, 56.9392,
48.3514

■ 62.1141, 63.8929,
61.7031

■ 68.0959, 71.5105,
77.0949

■ 74.7275, 79.8100,
94.6083

Harmonies

Analogous

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



43.9397, 28.0301, 13.7413



36.4821, 28.0301, 5.6780



27.4361, 28.0301, 3.5968

Triad

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



36.4821, 28.0301, 5.6780



13.4426, 28.0301, 28.3224



34.8278, 28.0301, 93.7645

Complementary

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



36.4821, 28.0301, 5.6780



24.4389, 26.5784, 72.2482

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.



25.8629, 28.0301, 105.0208



36.4821, 28.0301, 5.6780



14.6093, 28.0301, 57.2875

Square

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



36.4821, 28.0301, 5.6780



15.1426, 28.0301, 11.5744



18.7521, 28.0301, 89.0841



42.8508, 28.0301, 63.4318

Rectangle

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



36.4821, 28.0301, 5.6780



22.0939, 28.0301, 4.1108



18.7521, 28.0301, 89.0841



31.7745, 28.0301, 100.4302

Sweetspot

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



36.4827, 28.0316, 5.6785



76.3134, 75.8626, 61.5421



36.1035, 19.2109, 30.4069



15.8296, 15.5670, 11.9609



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.



36.4827, 28.0316, 5.6785



46.8486, 32.4102, 4.0063



51.6160, 58.2981, 10.7229



13.4960, 13.9314, 13.7033



19.6196, 13.5247, 1.5765



1.3547, 1.0435, 0.1300

Inverse Universe

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



24.4389, 26.5784, 72.2482



29.4937, 29.9653, 98.8371



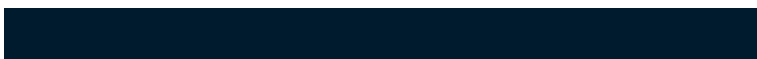
15.6167, 8.9342, 69.3075



12.9701, 13.8800, 16.6477



12.3045, 12.4783, 41.4984



0.8813, 0.9768, 2.7165

Previews

White Background



This preview shows how the XYZ color 36.4821, 28.0301, 5.6780 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 36.4821, 28.0301, 5.6780 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 36.4821, 28.0301, 5.6780

Background



This preview shows how black text looks on a background with the XYZ color 36.4821, 28.0301, 5.6780.



This preview shows how white text looks on a background with the XYZ color 36.4821, 28.0301,

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

36.4821, 28.0301, 5.6780

Protanopia

25.6014, 28.1625, 7.1042

Deuteranopia

28.5258, 27.9519, 5.4052



Tritanopia

39.3615, 28.0455, 19.8617

Trichromacy



Original Color

36.4821, 28.0301, 5.6780

Protanomaly

28.5666, 27.3227, 6.4575

Deuteranomaly

30.9491, 27.5698, 5.4406

Tritanomaly

38.0288, 27.9976, 12.8509

Monochromacy



Original Color

36.4821, 28.0301, 5.6780

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9772, 25.6671, 16.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4821, 28.0301, 5.6780 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(221, 116, 42)` looks like.

```
.text, #text, p{  
    color:rgb(221, 116, 42)  
}
```

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(221, 116, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 116, 42) }
```

Border

The CSS property to change the border of an element to XYZ 36.4821, 28.0301, 5.6780 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(221, 116, 42) }
```


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

```
.border{ border-color:rgb(221, 116, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 116, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 116, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 116, 42);  
box-shadow:4px 4px 4px 4px rgb(221, 116,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4821, 28.0301, 5.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 116, 42) }
```

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

```
.background{ background-color: rgb(221,  
116, 42) }
```

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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