

Converting Colors

XYZ(36.8156, 28.0486, 13.8969)

Have a look what the booklet for
XYZ(36.8156, 28.0486, 13.8969)
contains.

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Color

**XYZ(36.8364, 28.0328,
13.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	D9745D
RGB	217, 116, 93
RGB Percent	85%, 45%, 36%
CMY	0.1490, 0.5451, 0.6353
CMYK	0.00, 0.47, 0.57, 0.15
HSL	11°, 62%, 61%
HSV	11°, 57%, 85%
XYZ	36.8364, 28.0328, 13.8253
YIQ	143.5770, 67.5790, 14.2590

Conversions

Conversions Part 2

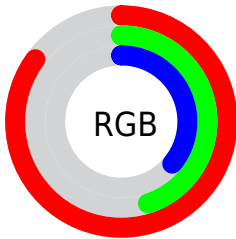
Format	Color
RYB	217, 121, 93
Decimal	14251101
CIELab	59.92, 37.31, 30.37
CIElCh	60, 48.108, 39.146
Yxy	28.0328, 0.4681, 0.3562
Android (android.graphics.Color)	4292441181 (0xFFD9745D)
YUV	143.5770, -24.9345, 64.3920
Hunter-Lab	52.9460, 31.5332, 21.5804

Details

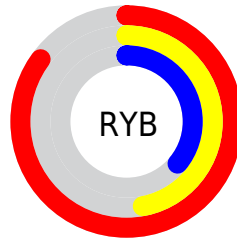
The XYZ color **36.8364, 28.0328, 13.8253** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **36.3290, 45.9177, 72.5935**, and the grayscale version is **26.4179, 27.7937, 30.2674**.

A 20% lighter version of the original color is **60.6488, 52.0231, 33.2305**, and **16.4840, 11.2470, 3.8868** is the 20% darker color. If you saturate the color by 10%, you get **34.1610, 24.0082, 8.8456**, and if you desaturate by 10%, it is **40.1734, 32.9446, 20.3712**.

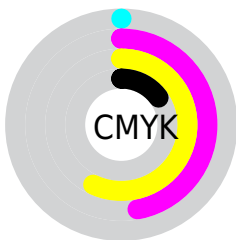
Distribution



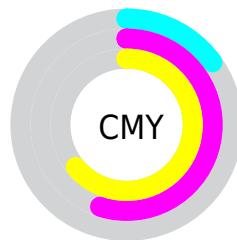
- Red (85%)
- Green (45%)
- Blue (36%)



- Red (85%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (47%)
- Yellow (57%)
- Black (15%)





- Cyan (15%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8364, 28.0328, 13.8253 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 36.8364, 28.0328, 13.8253 by changing the saturation by 10% instead.


 36.8364, 28.0328,
13.8253


 36.8364, 28.0328,
13.8253


323.9695,
292.6236, 227.5318


 25.2539, 18.3504,
7.8619


 69.6366, 56.5368,
33.4914

 16.3961, 11.2018,
3.9202


 91.5850, 76.1272,
48.0311

 9.8975, 6.2028,
1.5817


 117.7194, 99.7890,
66.2668

 5.3928, 2.9688,
0.2777

 148.4052,
127.9067, 88.6168

 2.5166, 1.1154,
0.0000

184.0078,
160.8646, 115.4998

 0.9036, 0.0000,
0.0000

224.8925,

 0.0000, 0.0000,

199.0471, 147.3342

0.0000

271.4246,
242.8386, 184.5387

■ 36.8364, 28.0328,
13.8253

■ 36.8364, 28.0328,
13.8253

■ 34.1610, 24.0082,
8.8456

■ 40.1734, 32.9446,
20.3712

■ 32.0994, 20.8128,
5.2981

■ 44.2113, 38.7881,
28.5989

■ 30.6002, 18.3883,
3.0289

■ 48.9886, 45.6102,
38.6150

■ 29.5994, 16.6658,
1.8348

■ 54.5403, 53.4533,
50.5166

■ 29.3827, 16.2868,
1.5950

■ 60.8991, 62.3571,
64.3941

■ 68.0961, 72.3594,
80.3317

■ 76.1603, 83.4960,
98.4090

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



40.0115, 28.0328, 25.4801



36.8364, 28.0328, 13.8253



31.0504, 28.0328, 8.6382

Triad

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



36.8364, 28.0328, 13.8253



17.1026, 28.0328, 20.0415



28.5561, 28.0328, 77.2643

Complementary

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



36.8364, 28.0328, 13.8253



36.3290, 45.9177, 72.5935

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.



22.6761, 28.0328, 74.0108



36.8364, 28.0328, 13.8253



16.6450, 28.0328, 36.1908

Square

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



36.8364, 28.0328, 13.8253



19.8931, 28.0328, 11.1553



18.5304, 28.0328, 57.0796



34.7726, 28.0328, 64.7697

Rectangle

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



36.8364, 28.0328, 13.8253



26.8199, 28.0328, 7.7237



18.5304, 28.0328, 57.0796



26.4695, 28.0328, 78.0547

Sweetspot

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



36.8371, 28.0343, 13.8258



78.5922, 77.0211, 72.7804



42.2971, 26.4875, 54.0792



16.4550, 15.9692, 14.7855



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.



36.8371, 28.0343, 13.8258



48.4136, 33.3462, 11.2915



46.4583, 47.2767, 17.0329



13.2505, 13.4404, 13.6215



17.8433, 9.9722, 0.9844



1.2146, 0.7634, 0.0833

Inverse Universe

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



36.3290, 45.9177, 72.5935



47.4945, 61.3161, 103.9397



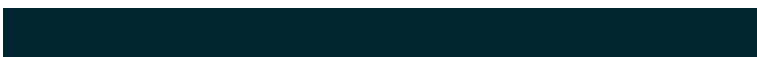
25.3262, 23.9120, 68.9259



13.2288, 14.3973, 16.7339



17.1403, 22.1500, 43.1104



1.1648, 1.5436, 2.8110

Previews

White Background



This preview shows how the XYZ color 36.8364, 28.0328, 13.8253 looks on a white background.

Color Contrast Check

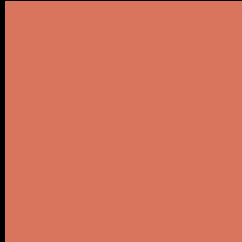
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8364, 28.0328, 13.8253 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 36.8364, 28.0328, 13.8253

Background



This preview shows how black text looks on a background with the XYZ color 36.8364, 28.0328, 13.8253.



This preview shows how white text looks on a background with the XYZ color 36.8364, 28.0328,

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

36.8364, 28.0328, 13.8253

Protanopia

26.3855, 28.3386, 17.4438

Deuteranopia

28.5708, 28.0122, 13.3522



Tritanopia

38.3978, 28.0045, 21.1509

Trichromacy



Original Color

36.8364, 28.0328, 13.8253

Protanomaly

29.2342, 27.4548, 16.0704

Deuteranomaly

31.0633, 27.6506, 13.3727

Tritanomaly

37.6330, 27.8415, 18.1423

Monochromacy



Original Color

36.8364, 28.0328, 13.8253

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

29.0214, 27.1888, 23.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8364, 28.0328, 13.8253 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(217, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(217, 116, 93)  
}
```

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(217, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 116, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.8364, 28.0328, 13.8253 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(217, 116, 93) }
```


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

```
.border{ border-color:rgb(217, 116, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 116, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(217, 116,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8364, 28.0328, 13.8253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 116, 93) }
```

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

```
.background{ background-color: rgb(217,  
116, 93) }
```

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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