

Converting Colors

XYZ(28.7314, 14.9863, 2.3357)

Have a look what the booklet for
XYZ(28.7314, 14.9863, 2.3357)
contains.

XYZ(28.6368, 14.9365, 2.3510)	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(28.6368, 14.9365,
2.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	D80C1A
RGB	216, 12, 26
RGB Percent	85%, 5%, 10%
CMY	0.1529, 0.9528, 0.8980
CMYK	0.00, 0.94, 0.88, 0.15
HSL	356°, 89%, 45%
HSV	356°, 94%, 85%
XYZ	28.6368, 14.9365, 2.3510
YIQ	74.5920, 117.0900, 47.6020

Conversions

Conversions Part 2

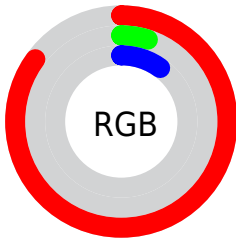
Format	Color
RYB	216, 12, 26
Decimal	14158874
CIELab	45.55, 69.91, 50.42
CIElCh	46, 86.194, 35.803
Yxy	14.9365, 0.6236, 0.3252
Android (android.graphics.Color)	4292348954 (0xFFD80C1A)
YUV	74.5920, -23.9559, 124.0148
Hunter-Lab	38.6478, 64.6294, 23.4467

Details

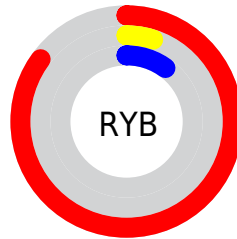
The XYZ color **28.6368, 14.9365, 2.3510** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.3740, 53.4562, 64.3591**, and the grayscale version is **6.6459, 6.9920, 7.6143**.

A 20% lighter version of the original color is **46.1837, 29.2232, 9.5098**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.4033, 14.6326, 1.7710**, and if you desaturate by 10%, it is **29.3762, 15.9210, 4.1223**.

Distribution



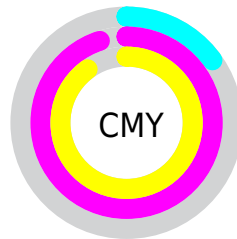
- Red (85%)
- Green (5%)
- Blue (10%)



- Red (85%)
- Yellow (5%)
- Blue (10%)



- Cyan (0%)
- Magenta (94%)
- Yellow (88%)
- Black (15%)





- Cyan (15%)
- Magenta (95%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6368, 14.9365, 2.3510 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 28.6368, 14.9365, 2.3510 by changing the saturation by 10% instead.

 28.6368, 14.9365,
2.3510


 28.6368, 14.9365,
2.3510


287.5226,
222.9816, 127.6089


 18.9491, 8.7748,
0.7596


 56.9011, 34.7417,
9.9799


 11.7373, 4.5946,
0.0000


 76.2084, 49.1541,
16.8687

 6.6360, 2.0114,
0.0000


 99.4531, 67.0855,
26.3650

 3.2798, 0.6141,
0.0000

 127.0003, 88.9203,
38.8874

 1.3034, 0.0000,
0.0000

 159.2155,
115.0429, 54.8544


 0.1858, 0.0000,
0.0000


 196.4641,


 0.0000, 0.0000,


145.8377, 74.6847


0.0000


 239.1113,
181.6891, 98.7967


 28.6368, 14.9365,
2.3510


 28.6368, 14.9365,
2.3510


 28.4033, 14.6326,
1.7710

 29.3762, 15.9210,
4.1223

 30.6872, 17.7509,
7.0011

 32.6563, 20.5630,
11.1297

 35.3553, 24.4688,
16.6290

 38.8462, 29.5652,
23.6054

■ 43.1847, 35.9381,
32.1549

■ 48.4214, 43.6655,
42.3655

■ 54.6028, 52.8194,
54.3186

■ 61.7723, 63.4665,
68.0901

Harmonies

Analogous

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



32.8931, 14.9365, 12.5765



28.6368, 14.9365, 2.3510



20.6574, 14.9365, 0.0000

Triad

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



28.6368, 14.9365, 2.3510



4.9458, 14.9365, 4.8275



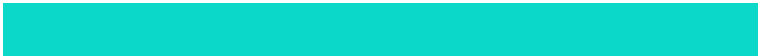
15.6422, 14.9365, 96.1348

Complementary

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



28.6368, 14.9365, 2.3510



35.3740, 53.4562, 64.3591

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.



9.2467, 14.9365, 85.8089



28.6368, 14.9365, 2.3510



4.4003, 14.9365, 20.6082

Square

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



28.6368, 14.9365, 2.3510



7.5428, 14.9365, 0.6028



5.6713, 14.9365, 52.2083



23.9279, 14.9365, 74.2290

Rectangle

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



28.6368, 14.9365, 2.3510



15.2337, 14.9365, 0.0000



5.6713, 14.9365, 52.2083



13.2078, 14.9365, 96.4515

Sweetspot

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



28.6371, 14.9375, 2.3512



67.4270, 59.0268, 55.6910



36.0806, 17.3644, 66.4151



13.7341, 11.6045, 10.5577



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.



28.6371, 14.9375, 2.3512



41.3447, 21.3019, 2.4814



32.6625, 23.1799, 3.1020



12.4574, 12.4344, 13.0828



16.8264, 8.6669, 1.1240



1.0272, 0.5277, 0.1329

Inverse Universe

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



28.6371, 14.9375, 2.3512



41.3447, 21.3019, 2.4814



20.6657, 21.2741, 67.9822



12.4574, 12.4344, 13.0828



16.8264, 8.6669, 1.1240



1.0272, 0.5277, 0.1329

Previews

White Background



This preview shows how the XYZ color 28.6368, 14.9365, 2.3510 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6368, 14.9365, 2.3510

Background



This preview shows how black text looks on a background with the XYZ color 28.6368, 14.9365, 2.3510.



This preview shows how white text looks on a background with the XYZ color 28.6368, 14.9365,

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

28.6368, 14.9365, 2.3510

Protanopia

14.0756, 15.4789, 4.7285

Deuteranopia

15.4315, 15.3039, 2.1406



Tritanopia

28.2572, 14.9128, 1.3891

Trichromacy



Original Color

28.6368, 14.9365, 2.3510

Protanomaly

16.5089, 12.1054, 3.3002

Deuteranomaly

18.0284, 12.6332, 1.7467

Tritanomaly

28.2589, 14.8374, 1.6329

Monochromacy



Original Color

28.6368, 14.9365, 2.3510

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

10.5707, 7.1870, 4.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6368, 14.9365, 2.3510 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(216, 12, 26)` looks like.

```
.text, #text, p{  
    color:rgb(216, 12, 26)  
}
```

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(216, 12, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 12, 26) }
```

Border

The CSS property to change the border of an element to XYZ 28.6368, 14.9365, 2.3510 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(216, 12, 26) }
```


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

```
.border{ border-color:rgb(216, 12, 26) }
```

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

Here you see how a box with a 4 pixel rgb(216, 12, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 12, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 12, 26);  
box-shadow:4px 4px 4px 4px rgb(216, 12,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6368, 14.9365, 2.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 12, 26) }
```

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

```
.background{ background-color: rgb(216, 12,  
26) }
```

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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