

Converting Colors

XYZ(28.6922, 16.5049, 3.3617)

Have a look what the booklet for
XYZ(28.6922, 16.5049, 3.3617)
contains.

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Color

**XYZ(28.6536, 16.4921,
3.3421)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D43324 |
| RGB | 212, 51, 36 |
| RGB Percent | 83%, 20%, 14% |
| CMY | 0.1686, 0.7999, 0.8588 |
| CMYK | 0.00, 0.76, 0.83, 0.17 |
| HSL | 5°, 71%, 49% |
| HSV | 5°, 83%, 83% |
| XYZ | 28.6536, 16.4921, 3.3421 |
| YIQ | 97.4290, 100.7710, 29.4670 |

Conversions

Conversions Part 2

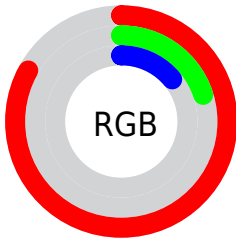
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 212, 52, 36 |
| Decimal | 13906724 |
| CIE _{Lab} | 47.61, 61.06, 47.06 |
| CIE _{LCh} | 48, 77.093, 37.619 |
| Yxy | 16.4921, 0.5909, 0.3401 |
| Android (android.graphics.Color) | 4292096804 (0xFFD43324) |
| YUV | 97.4290, -30.2845, 100.4788 |
| Hunter-Lab | 40.6105, 54.8762, 23.5480 |

Details

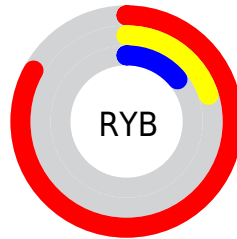
The XYZ color **28.6536, 16.4921, 3.3421** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **32.5742, 45.0546, 69.2663**, and the grayscale version is **11.5243, 12.1245, 13.2036**.

A 20% lighter version of the original color is **48.3773, 33.0364, 12.0105**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.7423, 15.0436, 1.8860**, and if you desaturate by 10%, it is **30.1102, 18.7255, 5.9245**.

Distribution



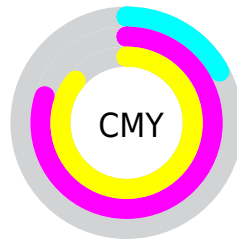
- Red (83%)
- Green (20%)
- Blue (14%)



- Red (83%)
- Yellow (20%)
- Blue (14%)



- Cyan (0%)
- Magenta (76%)
- Yellow (83%)
- Black (17%)





- Cyan (17%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6536, 16.4921, 3.3421 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 28.6536, 16.4921, 3.3421 by changing the saturation by 10% instead.

 28.6536, 16.4921,
3.3421


 28.6536, 16.4921,
3.3421


287.6008,
232.2282, 140.6052


 18.9619, 9.8730,
1.2719


 56.9276, 37.4504,
12.4615


 11.7466, 5.3149,
0.0386


 76.2407, 52.5585,
20.3478


 6.6423, 2.4332,
0.0000


 99.4916, 71.2650,
31.0098

 3.2838, 0.8429,
0.0000

 127.0456, 93.9544,
44.8661

 1.3055, 0.0000,
0.0000

 159.2682,
121.0110, 62.3353

 0.1874, 0.0000,
0.0000

 196.5247,

 0.0000, 0.0000,

152.8192, 83.8358

0.0000

239.1805,
189.7635, 109.7863

28.6536, 16.4921,
3.3421

28.6536, 16.4921,
3.3421

27.7423, 15.0436,
1.8860

30.1102, 18.7255,
5.9245

27.3688, 14.4322,
1.3432

32.1797, 21.8307,
9.8009

34.9207, 25.8867,
15.1114

38.3850, 30.9624,
21.9781

42.6189, 37.1206,
30.5098

■ 47.6651, 44.4188,
40.8057

■ 53.5630, 52.9107,
52.9570

■ 60.3494, 62.6464,
67.0490

■ 68.0592, 73.6731,
83.1612

Harmonies

Analogous

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



32.7717, 16.4921, 13.3901



28.6536, 16.4921, 3.3421



21.2679, 16.4921, 0.7555

Triad

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



28.6536, 16.4921, 3.3421



6.3525, 16.4921, 7.0535



17.4944, 16.4921, 87.7100

Complementary

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



28.6536, 16.4921, 3.3421



32.5742, 45.0546, 69.2663

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.



11.1605, 16.4921, 80.6587



28.6536, 16.4921, 3.3421



5.8830, 16.4921, 23.4598

Square

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



28.6536, 16.4921, 3.3421



8.9105, 16.4921, 1.5637



7.3616, 16.4921, 52.4062



25.2102, 16.4921, 67.7490

Rectangle

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



28.6536, 16.4921, 3.3421



16.2310, 16.4921, 0.3542



7.3616, 16.4921, 52.4062



15.1323, 16.4921, 88.5811

Sweetspot

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



28.6540, 16.4931, 3.3423



70.5670, 64.8236, 58.2275



37.8982, 19.3052, 54.7521



14.5125, 13.0194, 11.2544



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.



28.6540, 16.4931, 3.3423



41.5222, 21.8244, 2.0241



36.6539, 32.4930, 6.0090



12.5076, 12.5893, 12.9315



16.9268, 8.9708, 0.8394



1.0511, 0.6015, 0.0607

Inverse Universe

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



32.5742, 45.0546, 69.2663



47.2592, 65.6383, 104.7864



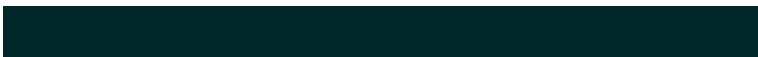
18.1154, 16.1370, 64.4467



12.6974, 13.9182, 15.9548



19.2712, 26.8043, 42.6112



1.1896, 1.6712, 2.5792

Previews

White Background



This preview shows how the XYZ color 28.6536, 16.4921, 3.3421 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 28.6536, 16.4921, 3.3421

Background



This preview shows how black text looks on a background with the XYZ color 28.6536, 16.4921, 3.3421.



This preview shows how white text looks on a background with the XYZ color 28.6536, 16.4921,

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

28.6536, 16.4921, 3.3421

Protanopia

15.2413, 16.7182, 5.6724

Deuteranopia

16.9653, 16.6949, 2.8586



Tritanopia

28.8254, 16.4240, 4.6685

Trichromacy



Original Color

28.6536, 16.4921, 3.3421

Protanomaly

18.1389, 14.8475, 4.4946

Deuteranomaly

19.9353, 15.3174, 2.7700

Tritanomaly

28.7656, 16.4677, 4.1451

Monochromacy



Original Color

28.6536, 16.4921, 3.3421

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

14.7861, 11.7343, 8.1422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6536, 16.4921, 3.3421 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(212, 51, 36)` looks like.

```
.text, #text, p{  
    color:rgb(212, 51, 36)  
}
```

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(212, 51, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 51, 36) }
```

Border

The CSS property to change the border of an element to XYZ 28.6536, 16.4921, 3.3421 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(212, 51, 36) }
```


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

```
.border{ border-color:rgb(212, 51, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 51, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 51, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 51, 36);  
box-shadow:4px 4px 4px 4px rgb(212, 51,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6536, 16.4921, 3.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 51, 36) }
```

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

```
.background{ background-color: rgb(212, 51,  
36) }
```

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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