

Converting Colors

XYZ(29.5743, 16.6935, 4.4597)

Have a look what the booklet for
XYZ(29.5743, 16.6935, 4.4597)
contains.

XYZ(29.5743, 16.6935, 4.4597)	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(29.5743, 16.6935,
4.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	D72F30
RGB	215, 47, 48
RGB Percent	84%, 18%, 19%
CMY	0.1569, 0.8156, 0.8118
CMYK	0.00, 0.78, 0.78, 0.16
HSL	360°, 68%, 51%
HSV	360°, 78%, 84%
XYZ	29.5743, 16.6935, 4.4597
YIQ	97.3460, 99.8070, 35.9270

Conversions

Conversions Part 2

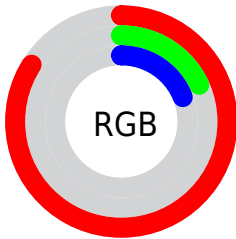
Format	Color
RYB	215, 47, 48
Decimal	14102320
CIELab	47.87, 63.51, 41.18
CIElCh	48, 75.690, 32.962
Yxy	16.6935, 0.5830, 0.3291
Android (android.graphics.Color)	4292292400 (0xFFD72F30)
YUV	97.3460, -24.3276, 103.1826
Hunter-Lab	40.8577, 57.7040, 22.1288

Details

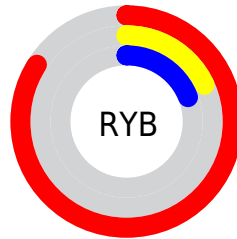
The XYZ color **29.5743, 16.6935, 4.4597** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.6124, 54.0608, 72.0795**, and the grayscale version is **11.4898, 12.0882, 13.1640**.

A 20% lighter version of the original color is **48.6681, 32.8113, 14.5946**, and **12.7789, 6.5859, 0.6838** is the 20% darker color. If you saturate the color by 10%, you get **28.5763, 15.2418, 2.4502**, and if you desaturate by 10%, it is **31.2083, 19.0780, 7.7289**.

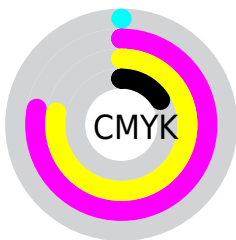
Distribution



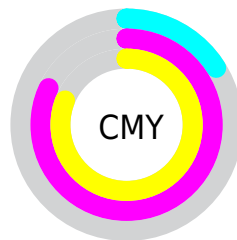
- Red (84%)
- Green (18%)
- Blue (19%)



- Red (84%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (16%)





- Cyan (16%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5743, 16.6935, 4.4597 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 29.5743, 16.6935, 4.4597 by changing the saturation by 10% instead.

 29.5743, 16.6935,
4.4597


 29.5743, 16.6935,
4.4597


291.8607,
233.3999, 153.2056


 19.6622, 10.0162,
1.8808


 58.3796, 37.7980,
15.0568


 12.2565, 5.4097,
0.4805


 78.0034, 52.9941,
23.9121


 6.9921, 2.4896,
0.0000


 101.5952, 71.7985,
35.6965

 3.5034, 0.8714,
0.0000

 129.5203, 94.5957,
50.8287

 1.4252, 0.0000,
0.0000

 162.1440,
121.7700, 69.7272

 0.2741, 0.0000,
0.0000

 199.8317,

 0.0000, 0.0000,

153.7059, 92.8104

0.0000

242.9488,
190.7877, 120.4970

■ 29.5743, 16.6935,
4.4597

■ 29.5743, 16.6935,
4.4597

■ 28.5763, 15.2418,
2.4502

■ 31.2083, 19.0780,
7.7289

■ 28.0964, 14.5456,
1.4776


■ 33.5589, 22.5126,
12.4172


■ 28.0310, 14.4497,
1.3479


■ 36.6962, 27.1009,
18.6616


■ 40.6815, 32.9330,
26.5826

■ 45.5701, 40.0903,
36.2890

 51.4126, 48.6472,
47.8804

 58.2560, 58.6727,
61.4489

 66.1440, 70.2310,
77.0808

 75.1178, 83.3828,
94.8571

Harmonies

Analogous

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



32.8525, 16.6935, 16.3075



29.5743, 16.6935, 4.4597



22.5900, 16.6935, 1.0600

Triad

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



29.5743, 16.6935, 4.4597



6.8317, 16.6935, 5.9080



16.5526, 16.6935, 87.1752

Complementary

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



29.5743, 16.6935, 4.4597



37.6124, 54.0608, 72.0795

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.



10.6303, 16.6935, 76.1671



29.5743, 16.6935, 4.4597



6.0574, 16.6935, 20.1829

Square

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



29.5743, 16.6935, 4.4597



9.7584, 16.6935, 1.3788



7.2247, 16.6935, 47.1448



24.1051, 16.6935, 71.2429

Rectangle

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



29.5743, 16.6935, 4.4597



17.5247, 16.6935, 0.5185



7.2247, 16.6935, 47.1448



14.3167, 16.6935, 86.5163

Sweetspot

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



29.5747, 16.6945, 4.4599



71.1020, 64.9152, 61.4222



40.4916, 20.9671, 66.2023



14.5691, 12.9431, 11.8578



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.



29.5747, 16.6945, 4.4599



41.5140, 21.6497, 2.5092



36.2837, 30.1447, 6.5970



12.4262, 12.4220, 12.9187



16.7674, 8.6433, 0.8134



1.0124, 0.5217, 0.0547

Inverse Universe

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



29.5747, 16.6945, 4.4599



41.5140, 21.6497, 2.5092



21.9370, 22.5077, 67.4776



12.4262, 12.4220, 12.9187



16.7674, 8.6433, 0.8134



1.0124, 0.5217, 0.0547

Previews

White Background



This preview shows how the XYZ color 29.5743, 16.6935, 4.4597 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



This preview shows how the XYZ color 29.5743, 16.6935, 4.4597 looks on a 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 29.5743, 16.6935, 4.4597

Background



This preview shows how black text looks on a background with the XYZ color 29.5743, 16.6935, 4.4597.



This preview shows how white text looks on a background with the XYZ color 29.5743, 16.6935,

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

29.5743, 16.6935, 4.4597

Protanopia

15.5181, 16.8120, 7.8960

Deuteranopia

17.0997, 16.8983, 3.9505



Tritanopia

29.5743, 16.6935, 4.4597

Trichromacy



Original Color

29.5743, 16.6935, 4.4597

Protanomaly

18.5990, 14.9184, 6.3141

Deuteranomaly

20.0730, 15.2438, 3.8919

Tritanomaly

29.5743, 16.6935, 4.4597

Monochromacy



Original Color

29.5743, 16.6935, 4.4597

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.0225, 11.7319, 8.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5743, 16.6935, 4.4597 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(215, 47, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 47, 48)  
}
```

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(215, 47, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 47, 48) }
```

Border

The CSS property to change the border of an element to XYZ 29.5743, 16.6935, 4.4597 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(215, 47, 48) }
```


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

```
.border{ border-color:rgb(215, 47, 48) }
```

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

Here you see how a box with a 4 pixel rgb(215, 47, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 47, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 47, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 47,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5743, 16.6935, 4.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 47, 48) }
```

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

```
.background{ background-color: rgb(215, 47,  
48) }
```

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