

Converting Colors

XYZ(29.7858, 17.1165, 4.5302)

Have a look what the booklet for
XYZ(29.7858, 17.1165, 4.5302)
contains.

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Color

**XYZ(29.7858, 17.1165,
4.5302)**

Conversions

Conversions Part 1

Format	Color
Hex	D73430
RGB	215, 52, 48
RGB Percent	84%, 20%, 19%
CMY	0.1569, 0.7960, 0.8118
CMYK	0.00, 0.76, 0.78, 0.16
HSL	1°, 68%, 52%
HSV	1°, 78%, 84%
XYZ	29.7858, 17.1165, 4.5302
YIQ	100.2810, 98.4320, 33.3120

Conversions

Conversions Part 2

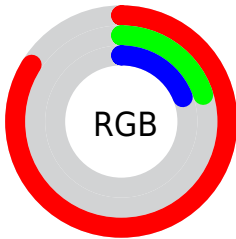
Format	Color
RYB	215, 52, 48
Decimal	14103600
CIELab	48.41, 62.01, 41.74
CIELCh	48, 74.748, 33.949
Yxy	17.1165, 0.5791, 0.3328
Android (android.graphics.Color)	4292293680 (0xFFD73430)
YUV	100.2810, -25.7745, 100.6086
Hunter-Lab	41.3721, 56.1098, 22.4683

Details

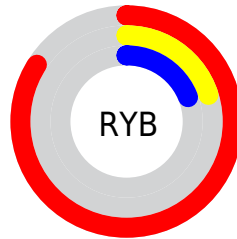
The XYZ color **29.7858, 17.1165, 4.5302** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.7753, 52.1162, 72.4106**, and the grayscale version is **12.2326, 12.8696, 14.0150**.

A 20% lighter version of the original color is **48.9900, 33.4551, 14.7019**, and **12.9653, 6.6820, 0.6925** is the 20% darker color. If you saturate the color by 10%, you get **28.7069, 15.5053, 2.4867**, and if you desaturate by 10%, it is **31.4962, 19.6475, 7.8443**.

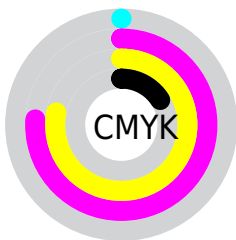
Distribution



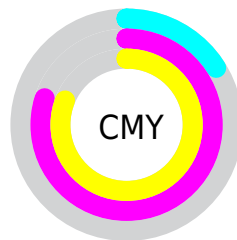
- Red (84%)
- Green (20%)
- Blue (19%)



- Red (84%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (76%)
- Yellow (78%)
- Black (16%)





- Cyan (16%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7858, 17.1165, 4.5302 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 29.7858, 17.1165, 4.5302 by changing the saturation by 10% instead.

 29.7858, 17.1165,
4.5302


 29.7858, 17.1165,
4.5302


292.8325,
235.8428, 153.9479


 19.8233, 10.3176,
1.9205


 58.7122, 38.5260,
15.2152


 12.3742, 5.6100,
0.5057


 78.4069, 53.9053,
24.1276

 7.0731, 2.6094,
0.0000


 102.0763, 72.9136,
35.9779

 3.5546, 0.9314,
0.0000

 130.0859, 95.9352,
51.1847

 1.4534, 0.0000,
0.0000

 162.8009,
123.3545, 70.1666

 0.2938, 0.0000,
0.0000

 200.5868,

 0.0000, 0.0000,

155.5560, 93.3420

0.0000

243.8089,
192.9240, 121.1296

■ 29.7858, 17.1165,
4.5302

■ 29.7858, 17.1165,
4.5302

■ 28.7069, 15.5053,
2.4867

■ 31.4962, 19.6475,
7.8443

■ 28.1605, 14.6760,
1.4921

■ 33.9133, 23.2041,
12.5890

■ 28.0802, 14.5591,
1.3302

■ 37.1032, 27.8811,
18.9017

■ 41.1238, 33.7614,
26.9034

■ 46.0276, 40.9205,
36.7035

■ 51.8630, 49.4274,
48.4019

■ 58.6744, 59.3464,
62.0913

■ 66.5039, 70.7374,
77.8585

■ 75.3907, 83.6571,
95.7848

Harmonies

Analogous

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



33.2154, 17.1165, 16.1635



29.7858, 17.1165, 4.5302



22.7493, 17.1165, 1.1509

Triad

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



29.7858, 17.1165, 4.5302



7.0883, 17.1165, 6.5132



17.1906, 17.1165, 87.0396

Complementary

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



29.7858, 17.1165, 4.5302



36.7753, 52.1162, 72.4106

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.



11.1530, 17.1165, 77.0173



29.7858, 17.1165, 4.5302



6.3650, 17.1165, 21.3507

Square

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



29.7858, 17.1165, 4.5302



9.9782, 17.1165, 1.6051



7.6212, 17.1165, 48.5450



24.7662, 17.1165, 70.5340

Rectangle

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



29.7858, 17.1165, 4.5302



17.6937, 17.1165, 0.6382



7.6212, 17.1165, 48.5450



14.9224, 17.1165, 86.7038

Sweetspot

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



29.7862, 17.1175, 4.5305



71.3828, 65.5398, 61.3218



40.9920, 21.3252, 64.3859



14.6345, 13.0885, 11.8344



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.



29.7862, 17.1175, 4.5305



41.6654, 21.9380, 2.6043



37.1219, 31.7889, 6.9757



12.4469, 12.4681, 12.9113



16.8065, 8.7302, 0.7993



1.0223, 0.5438, 0.0511

Inverse Universe

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



36.7753, 52.1162, 72.4106



52.2655, 75.2847, 106.3845



21.2975, 21.1605, 67.2513



12.7654, 14.0543, 15.9775



21.1083, 30.4784, 43.2235



1.2814, 1.8549, 2.6098

Previews

White Background



This preview shows how the XYZ color 29.7858, 17.1165, 4.5302 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 29.7858, 17.1165, 4.5302 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 29.7858, 17.1165, 4.5302

Background



This preview shows how black text looks on a background with the XYZ color 29.7858, 17.1165, 4.5302.



This preview shows how white text looks on a background with the XYZ color 29.7858, 17.1165,

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

29.7858, 17.1165, 4.5302

Protanopia

16.0109, 17.4081, 7.8264

Deuteranopia

17.5714, 17.2990, 4.0820



Tritanopia

29.8508, 17.0718, 5.0900

Trichromacy



Original Color

29.7858, 17.1165, 4.5302

Protanomaly

19.0280, 15.5259, 6.2689

Deuteranomaly

20.5329, 15.8440, 3.9835

Tritanomaly

29.8057, 17.0537, 4.8527

Monochromacy



Original Color

29.7858, 17.1165, 4.5302

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.7338, 12.5314, 9.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7858, 17.1165, 4.5302 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, 52, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 52, 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, 52, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 52, 48) }
```

Border

The CSS property to change the border of an element to XYZ 29.7858, 17.1165, 4.5302 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, 52, 48) }
```


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

```
.border{ border-color:rgb(215, 52, 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, 52, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 52, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 52, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 52,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7858, 17.1165, 4.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 52, 48) }
```

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

```
.background{ background-color: rgb(215, 52,  
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](#).

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