

Converting Colors

XYZ(27.7768, 15.7098, 4.1475)

Have a look what the booklet for
XYZ(27.7768, 15.7098, 4.1475)
contains.

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Color

**XYZ(27.7646, 15.7066,
4.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	D12E2E
RGB	209, 46, 46
RGB Percent	82%, 18%, 18%
CMY	0.1804, 0.8196, 0.8196
CMYK	0.00, 0.78, 0.78, 0.18
HSL	0°, 64%, 50%
HSV	0°, 78%, 82%
XYZ	27.7646, 15.7066, 4.1531
YIQ	94.7370, 97.1480, 34.5560

Conversions

Conversions Part 2

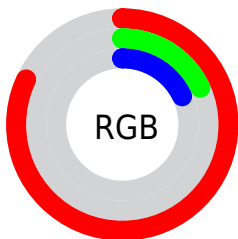
Format	Color
RYB	209, 46, 46
Decimal	13708846
CIELab	46.59, 61.99, 40.59
CIElCh	47, 74.090, 33.215
Yxy	15.7066, 0.5830, 0.3298
Android (android.graphics.Color)	4291898926 (0xFFD12E2E)
YUV	94.7370, -24.0273, 100.2087
Hunter-Lab	39.6316, 55.6962, 21.5289

Details

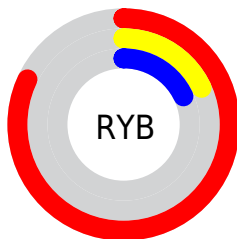
The XYZ color **27.7646, 15.7066, 4.1531** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **35.4321, 50.7780, 68.2547**, and the grayscale version is **10.8552, 11.4205, 12.4369**.

A 20% lighter version of the original color is **48.3698, 32.3584, 14.0523**, and **11.8541, 6.1110, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **26.8209, 14.3260, 2.2770**, and if you desaturate by 10%, it is **29.3063, 17.9632, 7.2172**.

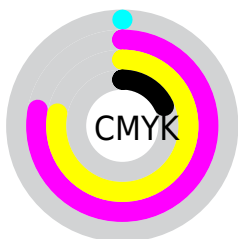
Distribution



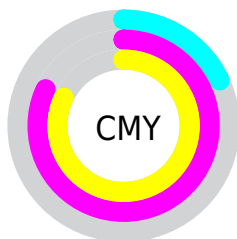
- Red (82%)
- Green (18%)
- Blue (18%)



- Red (82%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7646, 15.7066, 4.1531 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 27.7646, 15.7066, 4.1531 by changing the saturation by 10% instead.

 27.7646, 15.7066,
4.1531


 27.7646, 15.7066,
4.1531


283.4409,
227.6041, 149.9122


 18.2878, 9.3168,
1.7097


 55.5197, 36.0881,
14.3613


 11.2578, 4.9484,
0.3674


 74.5287, 50.8486,
22.9633


 6.3091, 2.2170,
0.0000


 97.4458, 69.1680,
34.4551

 3.0763, 0.7292,
0.0000

 124.6365, 91.4309,
49.2554

 1.1943, 0.0000,
0.0000

 156.4659,
118.0215, 67.7828

 0.1018, 0.0000,
0.0000

 193.2996,

 0.0000, 0.0000,

149.3244, 90.4556

0.0000

235.5028,
185.7238, 117.6926

■ 27.7646, 15.7066,
4.1531

■ 27.7646, 15.7066,
4.1531

■ 26.8209, 14.3260,
2.2770

■ 29.3063, 17.9632,
7.2172

■ 26.3630, 13.6559,
1.3670

■ 31.5216, 21.2049,
11.6208

■ 26.2944, 13.5556,
1.2306

■ 34.4761, 25.5281,
17.4939

■ 38.2272, 31.0171,
24.9508

■ 42.8268, 37.7476,
34.0946

■ 48.3223, 45.7892,
45.0197

■ 54.7579, 55.2061,
57.8135

■ 62.1744, 66.0584,
72.5576

■ 70.6105, 78.4027,
89.3288

Harmonies

Analogous

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



30.8845, 15.7066, 15.2013



27.7646, 15.7066, 4.1531



21.1859, 15.7066, 0.9918

Triad

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



27.7646, 15.7066, 4.1531



6.4204, 15.7066, 5.6325



15.6292, 15.7066, 81.8922

Complementary

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



27.7646, 15.7066, 4.1531



35.4321, 50.7780, 68.2547

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.



10.0435, 15.7066, 71.7610



27.7646, 15.7066, 4.1531



5.7077, 15.7066, 19.1545

Square

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



27.7646, 15.7066, 4.1531



9.1537, 15.7066, 1.3182



6.8216, 15.7066, 44.5655



22.7309, 15.7066, 66.7431

Rectangle

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



27.7646, 15.7066, 4.1531



16.4295, 15.7066, 0.4720



6.8216, 15.7066, 44.5655



13.5221, 15.7066, 81.3501

Sweetspot

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



27.7649, 15.7076, 4.1533



71.0638, 64.9017, 61.2155



38.7798, 20.1126, 62.1592



14.5602, 12.9399, 11.8097



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.



27.7649, 15.7076, 4.1533



41.5038, 21.6461, 2.4539



34.4415, 29.0606, 6.3788



11.8089, 11.8084, 12.2689



16.2126, 8.3581, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



35.4321, 50.7780, 68.2547



54.0055, 78.8312, 106.9773



20.2894, 20.4925, 63.2071



12.1583, 13.4069, 15.1906



21.1513, 30.9493, 42.0515



1.1827, 1.7305, 2.3513

Previews

White Background



This preview shows how the XYZ color 27.7646, 15.7066, 4.1531 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 27.7646, 15.7066, 4.1531 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 27.7646, 15.7066, 4.1531

Background



This preview shows how black text looks on a background with the XYZ color 27.7646, 15.7066, 4.1531.



This preview shows how white text looks on a background with the XYZ color 27.7646, 15.7066,

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

27.7646, 15.7066, 4.1531

Protanopia

14.6646, 15.8881, 7.2948

Deuteranopia

16.0902, 15.9125, 3.7368



Tritanopia

27.7846, 15.7145, 4.2581

Trichromacy



Original Color

27.7646, 15.7066, 4.1531

Protanomaly

17.4983, 13.9919, 5.7814

Deuteranomaly

18.8300, 14.3731, 3.6156

Tritanomaly

27.7846, 15.7145, 4.2581

Monochromacy



Original Color

27.7646, 15.7066, 4.1531

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.1468, 11.0778, 8.4138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7646, 15.7066, 4.1531 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(209, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(209, 46, 46)  
}
```

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(209, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 46, 46) }
```

Border

The CSS property to change the border of an element to XYZ 27.7646, 15.7066, 4.1531 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(209, 46, 46) }
```


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

```
.border{ border-color:rgb(209, 46, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 46, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(209, 46,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7646, 15.7066, 4.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 46, 46) }
```

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

```
.background{ background-color: rgb(209, 46,  
46) }
```

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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