

Converting Colors

XYZ(27.8441, 14.7366, 2.0864)

Have a look what the booklet for
XYZ(27.8441, 14.7366, 2.0864)
contains.

XYZ(27.8441, 14.7366, 2.0864)	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(27.8441, 14.7366,
2.0864)**

Conversions

Conversions Part 1

Format	Color
Hex	D51515
RGB	213, 21, 21
RGB Percent	84%, 8%, 8%
CMY	0.1647, 0.9175, 0.9176
CMYK	0.00, 0.90, 0.90, 0.16
HSL	0°, 82%, 46%
HSV	0°, 90%, 84%
XYZ	27.8441, 14.7366, 2.0864
YIQ	78.4080, 114.4320, 40.7040

Conversions

Conversions Part 2

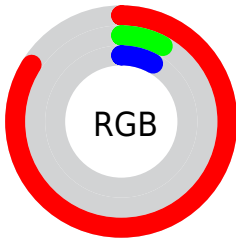
Format	Color
R_{YB}	213, 21, 21
Decimal	13964565
CIE Lab	45.27, 67.97, 52.12
CIE LCh	45, 85.656, 37.480
Yxy	14.7366, 0.6234, 0.3299
Android (android.graphics.Color)	4292154645 (0xFFD51515)
YUV	78.4080, -28.3021, 118.0372
Hunter-Lab	38.3883, 62.2916, 23.6494

Details

The XYZ color **27.8441, 14.7366, 2.0864** 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 **36.1068, 52.5382, 71.1882**, and the grayscale version is **7.3584, 7.7416, 8.4306**.

A 20% lighter version of the original color is **46.2285, 29.5184, 8.8913**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.4407, 14.1467, 1.2843**, and if you desaturate by 10%, it is **28.7032, 15.9944, 3.7933**.

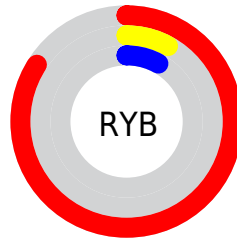
Distribution



Red (84%)

Green (8%)

Blue (8%)



Red (84%)

Yellow (8%)

Blue (8%)

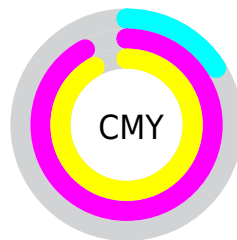


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8441, 14.7366, 2.0864 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 27.8441, 14.7366, 2.0864 by changing the saturation by 10% instead.


 27.8441, 14.7366,
2.0864


 27.8441, 14.7366,
2.0864


283.8148,
221.7663, 123.7043


 18.3480, 8.6347,
0.6077


 55.6458, 34.3904,
9.2757

 11.3013, 4.5037,
0.0000


 74.6822, 48.7112,
15.8655


 6.3387, 1.9591,
0.0000


 97.6294, 66.5404,
25.0101

 3.0947, 0.5836,
0.0000

 124.8527, 88.2624,
37.1281

 1.2040, 0.0000,
0.0000

 156.7176,
114.2616, 52.6379

 0.1096, 0.0000,
0.0000


 193.5893,


 0.0000, 0.0000,


144.9224, 71.9582


0.0000


 235.8333,
180.6292, 95.5075


 27.8441, 14.7366,
2.0864

 27.8441, 14.7366,
2.0864


 27.4407, 14.1467,
1.2843

 28.7032, 15.9944,
3.7933

 30.1666, 18.1360,
6.7018

 32.3183, 21.2846,
10.9787

 35.2287, 25.5435,
16.7642

 38.9597, 31.0030,
24.1811

■ 43.5667, 37.7444,
33.3397

■ 49.1004, 45.8417,
44.3407

■ 55.6075, 55.3633,
57.2771

■ 63.1317, 66.3730,
72.2357

Harmonies

Analogous

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



32.3302, 14.7366, 11.4818



27.8441, 14.7366, 2.0864



19.9016, 14.7366, 0.0000

Triad

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



27.8441, 14.7366, 2.0864



4.8125, 14.7366, 5.2586



15.8569, 14.7366, 94.1927

Complementary

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



27.8441, 14.7366, 2.0864



36.1068, 52.5382, 71.1882

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.



9.4085, 14.7366, 85.8480



27.8441, 14.7366, 2.0864



4.3737, 14.7366, 21.6822

Square

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



27.8441, 14.7366, 2.0864



7.2428, 14.7366, 0.7048



5.7364, 14.7366, 53.4405



24.0438, 14.7366, 71.2234

Rectangle

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



27.8441, 14.7366, 2.0864



14.6144, 14.7366, 0.0000



5.7364, 14.7366, 53.4405



13.4161, 14.7366, 95.1541

Sweetspot

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



27.8444, 14.7375, 2.0866



67.7114, 59.9967, 54.5498



39.7187, 19.4865, 64.6182



13.9195, 12.0026, 10.5358



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.



27.8444, 14.7375, 2.0866



41.2404, 21.2608, 1.9301



33.9371, 26.9228, 4.1175



12.4234, 12.4211, 12.9034



16.7622, 8.6416, 0.7845



1.0111, 0.5213, 0.0473

Inverse Universe

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



36.1068, 52.5382, 71.1882



53.7987, 78.7173, 106.9662



18.6808, 17.6862, 65.3795



12.7921, 14.1076, 15.9863



21.8665, 31.9947, 43.4763



1.3189, 1.9299, 2.6223

Previews

White Background



This preview shows how the XYZ color 27.8441, 14.7366, 2.0864 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 27.8441, 14.7366, 2.0864 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 27.8441, 14.7366, 2.0864

Background



This preview shows how black text looks on a background with the XYZ color 27.8441, 14.7366, 2.0864.



This preview shows how white text looks on a background with the XYZ color 27.8441, 14.7366,

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

27.8441, 14.7366, 2.0864

Protanopia

13.7200, 15.1487, 4.1203

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

27.8067, 14.7517, 1.7972

Trichromacy



Original Color

27.8441, 14.7366, 2.0864

Protanomaly

16.2410, 12.2821, 2.8812

Deuteranomaly

17.9434, 12.7820, 1.7512

Tritanomaly

27.8287, 14.7604, 1.9126

Monochromacy



Original Color

27.8441, 14.7366, 2.0864

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

10.9540, 7.7337, 4.7863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8441, 14.7366, 2.0864 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(213, 21, 21)` looks like.

```
.text, #text, p{  
    color:rgb(213, 21, 21)  
}
```

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(213, 21, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 21, 21) }
```

Border

The CSS property to change the border of an element to XYZ 27.8441, 14.7366, 2.0864 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(213, 21, 21) }
```


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

```
.border{ border-color:rgb(213, 21, 21) }
```

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

Here you see how a box with a 4 pixel rgb(213, 21, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 21, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 21, 21);  
box-shadow:4px 4px 4px 4px rgb(213, 21,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8441, 14.7366, 2.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 21, 21) }
```

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

```
.background{ background-color: rgb(213, 21,  
21) }
```

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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