

Converting Colors

XYZ(28.2432, 16.0195, 4.7956)

Have a look what the booklet for
XYZ(28.2432, 16.0195, 4.7956)
contains.

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Color

**XYZ(28.2147, 15.9826,
4.8467)**

Conversions

Conversions Part 1

Format	Color
Hex	D22F34
RGB	210, 47, 52
RGB Percent	82%, 18%, 20%
CMY	0.1765, 0.8156, 0.7961
CMYK	0.00, 0.78, 0.75, 0.18
HSL	358°, 64%, 50%
HSV	358°, 78%, 82%
XYZ	28.2147, 15.9826, 4.8467
YIQ	96.3070, 95.5430, 36.1110

Conversions

Conversions Part 2

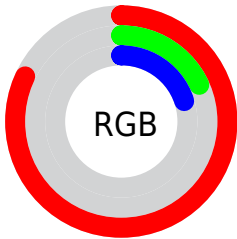
Format	Color
RYB	210, 47, 52
Decimal	13774644
CIELab	46.95, 62.20, 37.66
CIElCh	47, 72.709, 31.193
Yxy	15.9826, 0.5753, 0.3259
Android (android.graphics.Color)	4291964724 (0xFFD22F34)
YUV	96.3070, -21.8434, 99.7088
Hunter-Lab	39.9782, 56.0147, 20.7968

Details

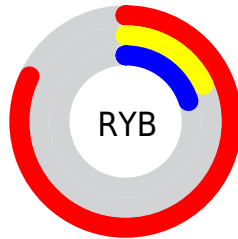
The XYZ color **28.2147, 15.9826, 4.8467** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **35.2402, 51.1059, 65.7722**, and the grayscale version is **11.2294, 11.8142, 12.8656**.

A 20% lighter version of the original color is **48.7498, 32.6762, 15.5421**, and **12.0765, 6.2206, 0.7939** is the 20% darker color. If you saturate the color by 10%, you get **27.2037, 14.5433, 2.7146**, and if you desaturate by 10%, it is **29.8275, 18.3099, 8.1544**.

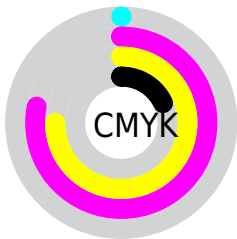
Distribution



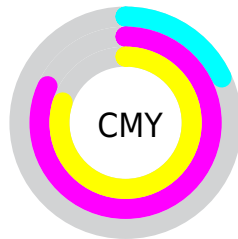
- Red (82%)
- Green (18%)
- Blue (20%)



- Red (82%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (78%)
- Yellow (75%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2147, 15.9826, 4.8467 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 28.2147, 15.9826, 4.8467 by changing the saturation by 10% instead.

 28.2147, 15.9826,
4.8467


 28.2147, 15.9826,
4.8467


285.5529,
229.2390, 157.2168


 18.6288, 9.5118,
2.1004


 56.2333, 36.5680,
15.9197


 11.5048, 5.0765,
0.6160


 75.3967, 51.4514,
25.0835

 6.4772, 2.2922,
0.0000


 98.4834, 69.9079,
37.2236

 3.1808, 0.7696,
0.0000

 125.8587, 92.3217,
52.7585

 1.2501, 0.0000,
0.0000

 157.8879,
119.0773, 72.1067

 0.1454, 0.0000,
0.0000

 194.9365,

 0.0000, 0.0000,

150.5592, 95.6868

0.0000

237.3697,
187.1516, 123.9173

■ 28.2147, 15.9826,
4.8467

■ 28.2147, 15.9826,
4.8467

■ 27.2037, 14.5433,
2.7146

■ 29.8275, 18.3099,
8.1544

■ 26.6947, 13.8352,
1.5889


■ 32.1148, 21.6338,
12.7730

■ 26.6134, 13.7156,
1.4292


■ 35.1402, 26.0501,
18.8203


■ 38.9596, 31.6430,
26.4007

■ 43.6235, 38.4882,
35.6088

 49.1783, 46.6552,
46.5317

 55.6669, 56.2084,
59.2503

 63.1295, 67.2079,
73.8404

 71.6040, 79.7104,
90.3731

Harmonies

Analogous

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



30.9629, 15.9826, 16.6846



28.2147, 15.9826, 4.8467



21.8679, 15.9826, 1.2260

Triad

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



28.2147, 15.9826, 4.8467



6.8064, 15.9826, 5.4045



15.4466, 15.9826, 81.0147

Complementary

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



28.2147, 15.9826, 4.8467



35.2402, 51.1059, 65.7722

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.



10.0337, 15.9826, 69.5558



28.2147, 15.9826, 4.8467



5.9607, 15.9826, 18.1404

Square

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



28.2147, 15.9826, 4.8467



9.7035, 15.9826, 1.3544



6.9563, 15.9826, 42.5268



22.4339, 15.9826, 67.7386

Rectangle

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



28.2147, 15.9826, 4.8467



17.1385, 15.9826, 0.6362



6.9563, 15.9826, 42.5268



13.3969, 15.9826, 79.8913

Sweetspot

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



28.2151, 15.9836, 4.8469



71.2687, 64.9818, 62.3001



37.7072, 19.6048, 62.7691



14.6079, 12.9586, 12.0623



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.



28.2151, 15.9836, 4.8469



41.6305, 21.7584, 2.9314



34.1836, 28.0910, 6.3112



11.8232, 11.8140, 12.3447



16.2406, 8.3691, 0.9073



0.9133, 0.4701, 0.0784

Inverse Universe

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



28.2151, 15.9836, 4.8469



41.6305, 21.7584, 2.9314



21.3224, 22.2911, 64.1512



11.8232, 11.8140, 12.3447



16.2406, 8.3691, 0.9073



0.9133, 0.4701, 0.0784

Previews

White Background



This preview shows how the XYZ color 28.2147, 15.9826, 4.8467 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 28.2147, 15.9826, 4.8467 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 28.2147, 15.9826, 4.8467

Background



This preview shows how black text looks on a background with the XYZ color 28.2147, 15.9826, 4.8467.



This preview shows how white text looks on a background with the XYZ color 28.2147, 15.9826,

4.8467.

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

28.2147, 15.9826, 4.8467

Protanopia

15.0228, 16.2070, 8.6398

Deuteranopia

16.4732, 16.2509, 4.3663



Tritanopia

28.1688, 16.0289, 4.4055

Trichromacy



Original Color

28.2147, 15.9826, 4.8467

Protanomaly

17.7703, 14.2311, 6.8113

Deuteranomaly

19.2392, 14.6858, 4.3032

Tritanomaly

28.1897, 16.0373, 4.5155

Monochromacy



Original Color

28.2147, 15.9826, 4.8467

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

14.4889, 11.3463, 9.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2147, 15.9826, 4.8467 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(210, 47, 52)` looks like.

```
.text, #text, p{  
    color:rgb(210, 47, 52)  
}
```

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(210, 47, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 47, 52) }
```

Border

The CSS property to change the border of an element to XYZ 28.2147, 15.9826, 4.8467 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(210, 47, 52) }
```


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

```
.border{ border-color:rgb(210, 47, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 47, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 47, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 47, 52);  
box-shadow:4px 4px 4px 4px rgb(210, 47,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2147, 15.9826, 4.8467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 47, 52) }
```

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

```
.background{ background-color: rgb(210, 47,  
52) }
```

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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