

Converting Colors

XYZ(28.1193, 14.8079, 5.5525)

Have a look what the booklet for
XYZ(28.1193, 14.8079, 5.5525)
contains.

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Color

**XYZ(28.2090, 14.8491,
5.5171)**

Conversions

Conversions Part 1

Format	Color
Hex	D4153B
RGB	212, 21, 59
RGB Percent	83%, 8%, 23%
CMY	0.1686, 0.9175, 0.7686
CMYK	0.00, 0.90, 0.72, 0.17
HSL	348°, 82%, 46%
HSV	348°, 90%, 83%
XYZ	28.2090, 14.8491, 5.5171
YIQ	82.4410, 101.6380, 52.3100

Conversions

Conversions Part 2

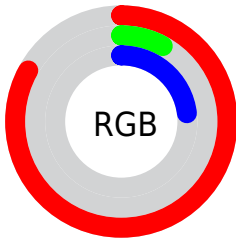
Format	Color
R _Y B	212, 21, 59
Decimal	13899067
CIE Lab	45.43, 68.75, 31.90
CIE LCh	45, 75.788, 24.892
Yxy	14.8491, 0.5807, 0.3057
Android (android.graphics.Color)	4292089147 (0xFFD4153B)
YUV	82.4410, -11.5564, 113.6232
Hunter-Lab	38.5345, 63.2346, 18.4855

Details

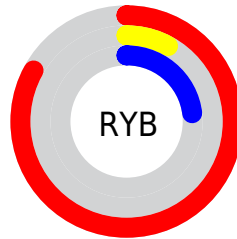
The XYZ color **28.2090, 14.8491, 5.5171** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.4955, 50.3034, 48.1063**, and the grayscale version is **8.1195, 8.5424, 9.3026**.

A 20% lighter version of the original color is **47.8442, 30.3060, 16.9636**, and **12.5036, 6.4332, 1.1550** is the 20% darker color. If you saturate the color by 10%, you get **27.5720, 14.1653, 3.4862**, and if you desaturate by 10%, it is **29.2912, 16.1905, 8.4160**.

Distribution



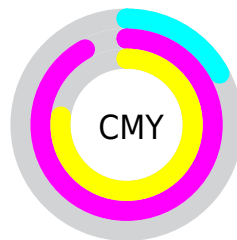
- Red (83%)
- Green (8%)
- Blue (23%)



- Red (83%)
- Yellow (8%)
- Blue (23%)



- Cyan (0%)
- Magenta (90%)
- Yellow (72%)
- Black (17%)





- Cyan (17%)
- Magenta (92%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2090, 14.8491, 5.5171 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 28.2090, 14.8491, 5.5171 by changing the saturation by 10% instead.


 28.2090, 14.8491,
5.5171


 28.2090, 14.8491,
5.5171


285.5263,
222.4510, 163.8340


 18.6245, 8.7135,
2.4897


 56.2243, 34.5882,
17.3801


 11.5017, 4.5548,
0.8347


 75.3858, 48.9606,
27.0528

 6.4751, 1.9885,
0.0000

 98.4703, 66.8474,
39.7777

 3.1795, 0.6008,
0.0000

 125.8433, 88.6330,
55.9733

 1.2494, 0.0000,
0.0000

 157.8700,
114.7017, 76.0582

 0.1448, 0.0000,
0.0000

 194.9158,

 0.0000, 0.0000,

145.4380, 100.4510

0.0000

237.3461,
181.2264, 129.5700

■ 28.2090, 14.8491,
5.5171

■ 28.2090, 14.8491,
5.5171

■ 27.5720, 14.1653,
3.4862

■ 29.2912, 16.1905,
8.4160

■ 30.9268, 18.3891,
12.2682

■ 33.1823, 21.5599,
17.1512

■ 36.1140, 25.7997,
23.1339

■ 39.7720, 31.1935,
30.2792

■ 44.2013, 37.8174,
38.6449

■ 49.4434, 45.7413,
48.2851

■ 55.5366, 55.0297,
59.2506

■ 62.5170, 65.7429,
71.5892

Harmonies

Analogous

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



29.9539, 14.8491, 19.4595



28.2090, 14.8491, 5.5171



22.2943, 14.8491, 1.1521

Triad

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



28.2090, 14.8491, 5.5171



6.3393, 14.8491, 3.2944



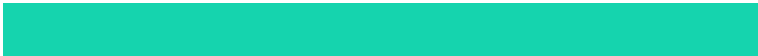
13.0619, 14.8491, 81.2362

Complementary

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



28.2090, 14.8491, 5.5171



31.4955, 50.3034, 48.1063

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.



8.2279, 14.8491, 64.4298



28.2090, 14.8491, 5.5171



5.1566, 14.8491, 13.2706

Square

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



28.2090, 14.8491, 5.5171



9.6023, 14.8491, 0.6694



5.7273, 14.8491, 35.6202



19.8542, 14.8491, 72.5137

Rectangle

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



28.2090, 14.8491, 5.5171



17.5140, 14.8491, 0.3603



5.7273, 14.8491, 35.6202



11.1846, 14.8491, 78.1609

Sweetspot

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



28.2093, 14.8500, 5.5173



69.2373, 60.6037, 62.5946



29.5643, 14.2670, 63.4827



14.2681, 12.1413, 12.3735



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.



28.2093, 14.8500, 5.5173



41.8311, 21.4964, 5.0427



30.0339, 19.5452, 2.9003



12.5232, 12.4608, 13.4295



17.0503, 8.7564, 2.3029



1.0582, 0.5401, 0.2960

Inverse Universe

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



28.2093, 14.8500, 5.5173



41.8311, 21.4964, 5.0427



23.8661, 28.2585, 66.4837



12.5232, 12.4608, 13.4295



17.0503, 8.7564, 2.3029



1.0582, 0.5401, 0.2960

Previews

White Background



This preview shows how the XYZ color 28.2090, 14.8491, 5.5171 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



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 28.2090, 14.8491, 5.5171

Background



This preview shows how black text looks on a background with the XYZ color 28.2090, 14.8491, 5.5171.



This preview shows how white text looks on a background with the XYZ color 28.2090, 14.8491,

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

28.2090, 14.8491, 5.5171

Protanopia

14.3914, 15.3384, 11.2189

Deuteranopia

15.4755, 15.2649, 4.9271



Tritanopia

27.5261, 14.8566, 2.4537

Trichromacy



Original Color

28.2090, 14.8491, 5.5171

Protanomaly

16.7559, 12.4229, 8.5359

Deuteranomaly

18.1729, 12.9320, 4.7871

Tritanomaly

27.6221, 14.7792, 3.3163

Monochromacy



Original Color

28.2090, 14.8491, 5.5171

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

11.9052, 8.3933, 7.4712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2090, 14.8491, 5.5171 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(212, 21, 59)` looks like.

```
.text, #text, p{  
    color:rgb(212, 21, 59)  
}
```

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(212, 21, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 21, 59) }
```

Border

The CSS property to change the border of an element to XYZ 28.2090, 14.8491, 5.5171 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(212, 21, 59) }
```


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

```
.border{ border-color:rgb(212, 21, 59) }
```

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

Here you see how a box with a 4 pixel rgb(212, 21, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 21, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 21, 59);  
box-shadow:4px 4px 4px 4px rgb(212, 21,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2090, 14.8491, 5.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 21, 59) }
```

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

```
.background{ background-color: rgb(212, 21,  
59) }
```

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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