Converting Colors

XYZ(29.5751, 15.9124, 2.5498)

Have a look what the booklet for XYZ(29.5751, 15.9124, 2.5498) contains.

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Color

XYZ(29.5755, 15.9131, 2.5496)

Conversions

Conversions Part 1

Format	Color
Hex	DA1E1B
RGB	218, 30, 27
RGB Percent	85%, 12%, 11%
CMY	0.1451, 0.8823, 0.8941
CMYK	0.00, 0.86, 0.88, 0.15
HSL	1°, 78%, 48%
HSV	1°, 88%, 85%
XYZ	29.5755, 15.9131, 2.5496
YIQ	85.8700, 113.0110, 38.9230

Conversions

Conversions Part 2

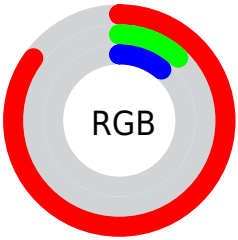
Format	Color
RYB	218, 30, 27
Decimal	14294555
CIELab	46.86, 67.87, 51.16
CIELCh	47, 84.993, 37.010
Yxy	15.9131, 0.6157, 0.3313
Android (android.graphics.Color)	4292484635 (0xFFDA1E1B)
YUV	85.8700, -29.0229, 115.8780
Hunter-Lab	39.8912, 62.5309, 24.1344

Details

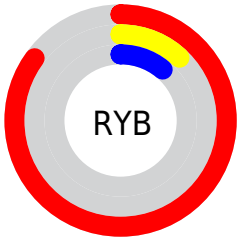
The XYZ color 29.5755, 15.9131, 2.5496 is a dark color, and the websafe version is hex CC0000. The color can be described as dark washed red. A complement of this color would be 37.4012, 53.8838, 74.7584, and the grayscale version is 8.8629, 9.3244, 10.1543.

A 20% lighter version of the original color is 46.8437, 30.4898, 9.8947, and 13.1369, 6.7723, 0.6148 is the 20% darker color. If you saturate the color by 10%, you get 29.0346, 15.1027, 1.5341, and if you desaturate by 10%, it is 30.6681, 17.5349, 4.6518.

Distribution

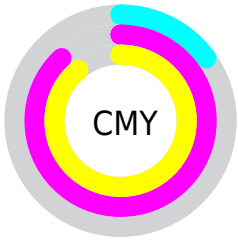


- Red (85%)
- Green (12%)
- Blue (11%)



- Red (85%)
- Yellow (12%)
- Blue (11%)

- Cyan (0%)
- Magenta (86%)
- Yellow (88%)
- Black (15%)



- Cyan (15%)
- Magenta (88%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5755, 15.9131, 2.5496 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 29.5755, 15.9131, 2.5496 by changing the saturation by 10% instead.

29.5755, 15.9131, 2.5496

29.5755, 15.9131, 2.5496

291.8662, 228.8284, 130.3995

19.6631, 9.4627, 0.8663

58.3815, 36.4473, 10.4952

12.2572, 5.0442, 0.0000

78.0057, 51.2998, 17.5979

6.9925, 2.2732, 0.0000

101.5979, 69.7219, 27.3451

3.5037, 0.7595, 0.0000

129.5235, 92.0978, 40.1555

1.4254, 0.0000, 0.0000

162.1477, 118.8120, 56.4476

0.2742, 0.0000, 0.0000

199.8360,

0.0000, 0.0000,

150.2489, 76.6400

0.0000

242.9537, 186.7929, 101.1511

29.5755, 15.9131, 2.5496

29.5755, 15.9131, 2.5496

29.0346, 15.1027, 1.5341

30.6681, 17.5349, 4.6518

28.9506, 14.9802, 1.3656

32.4158, 20.1113, 8.0675

34.8997, 23.7595, 12.9637

38.1890, 28.5792, 19.4828

42.3450, 34.6588, 27.7504

47.4230, 42.0781, 37.8797

53.4737, 50.9104, 49.9747

60.5441, 61.2237, 64.1313

68.6782, 73.0816, 80.4393

Harmonies

Analogous

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

34.1067, 15.9131, 12.8129

29.5755, 15.9131, 2.5496

21.3930, 15.9131, 0.1784

Triad

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

29.5755, 15.9131, 2.5496

5.4416, 15.9131, 5.7842

16.9293, 15.9131, 97.4470

Complementary

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

29.5755, 15.9131, 2.5496

37.4012, 53.8838, 74.7584

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.

10.2190, 15.9131, 88.4622

29.5755, 15.9131, 2.5496

4.9398, 15.9131, 22.7927

Square

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

29.5755, 15.9131, 2.5496

8.0731, 15.9131, 0.9036

6.3684, 15.9131, 55.2701

25.4124, 15.9131, 74.5167

Rectangle

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

29.5755, 15.9131, 2.5496

15.8796, 15.9131, 0.0000

6.3684, 15.9131, 55.2701

14.3945, 15.9131, 98.2372

Sweetspot

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

29.5758, 15.9141, 2.5498

68.7519, 61.6395, 56.2475

41.9599, 20.7511, 68.1229

14.1267, 12.3331, 10.8631

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.

29.5758, 15.9141, 2.5498

41.2838, 21.3476, 1.9446

36.1320, 29.0265, 4.7352

13.0725, 13.0843, 13.5621

17.3520, 8.9895, 0.8206

1.1301, 0.5943, 0.0551

Inverse Universe

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

37.4012, 53.8838, 74.7584

52.5361, 76.1923, 106.5454

20.1278, 19.3370, 69.0006

13.4263, 14.7923, 16.7997

22.0796, 32.0287, 44.7568

1.4362, 2.0865, 2.9015

Previews

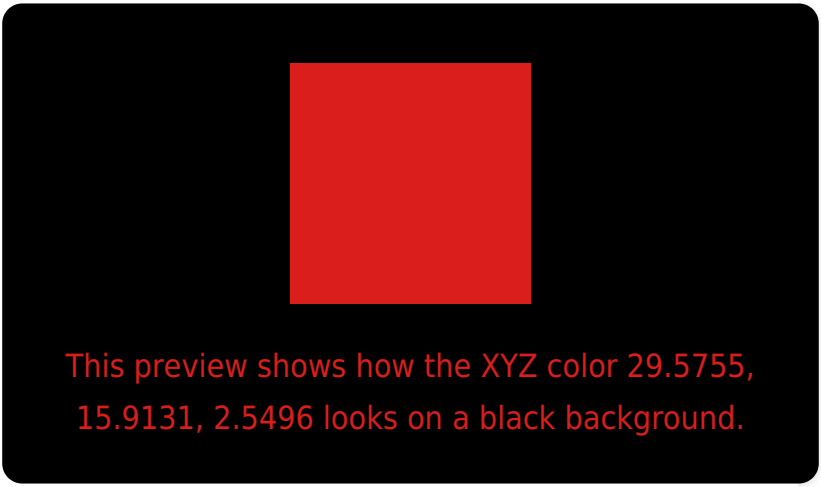
White Background

This preview shows how the XYZ color 29.5755, 15.9131, 2.5496 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

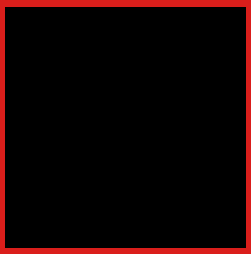


Color Contrast Check

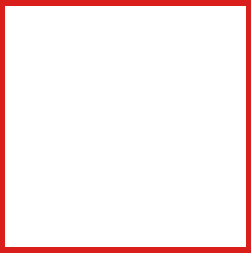
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 29.5755, 15.9131, 2.5496 Background



This preview shows how black text looks on a background with the XYZ color 29.5755, 15.9131, 2.5496.



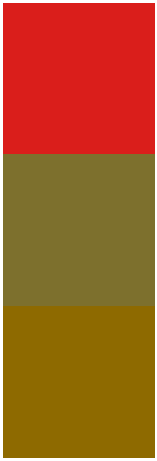
This preview shows how white text looks on a background with the XYZ color 29.5755, 15.9131,

2.5496.

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



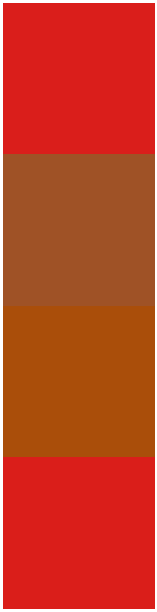
Original Color
29.5755, 15.9131, 2.5496

Protanopia
14.7253, 16.1378, 4.8214

Deuteranopia
16.3094, 16.0589, 2.2401

Tritanopia
29.5642, 15.9086, 2.4897

Trichromacy



Original Color
29.5755, 15.9131, 2.5496

Protanomaly
17.6652, 13.5455, 3.5172

Deuteranomaly
19.3567, 14.0167, 1.9724

Tritanomaly
29.5642, 15.9086, 2.4897

Monochromacy

Original Color
29.5755, 15.9131, 2.5496

Achromatopsia
8.8453, 9.3059, 10.1341

Achromatomaly
12.7339, 9.3464, 6.1339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5755, 15.9131, 2.5496 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(218, 30, 27) looks like.

```
.text, #text, p{
    color:rgb(218, 30, 27)
}
```

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(218, 30, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 30, 27) }
```

Border

The CSS property to change the border of an element to XYZ 29.5755, 15.9131, 2.5496 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(218, 30, 27) }
```

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

```
.border{ border-color:rgb(218, 30, 27) }
```

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

Here you see how a box with a 4 pixel rgb(218, 30, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 30, 27); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 30, 27); box-shadow:4px 4px 4px 4px rgb(218, 30, 27) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5755, 15.9131, 2.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(218, 30, 27) }
```

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

```
.background{ background-color:rgb(218, 30,
27) }
```

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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