

Converting Colors

XYZ(28.2163, 15.1210, 6.1251)

Have a look what the booklet for
XYZ(28.2163, 15.1210, 6.1251)
contains.

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Color

**XYZ(28.2254, 15.1363,
6.1366)**

Conversions

Conversions Part 1

Format	Color
Hex	D31E3F
RGB	211, 30, 63
RGB Percent	83%, 12%, 25%
CMY	0.1726, 0.8823, 0.7529
CMYK	0.00, 0.86, 0.70, 0.17
HSL	349°, 75%, 47%
HSV	349°, 86%, 83%
XYZ	28.2254, 15.1363, 6.1366
YIQ	87.8810, 97.2830, 48.6350

Conversions

Conversions Part 2

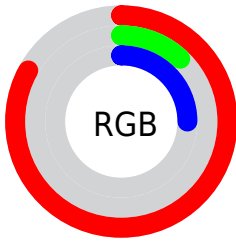
Format	Color
R_{YB}	211, 30, 63
Decimal	13835839
CIE _{Lab}	45.82, 67.12, 29.91
CIE _{LCh}	46, 73.478, 24.017
Yxy	15.1363, 0.5702, 0.3058
Android (android.graphics.Color)	4292025919 (0xFFD31E3F)
YUV	87.8810, -12.2663, 107.9754
Hunter-Lab	38.9054, 61.4152, 17.8819

Details

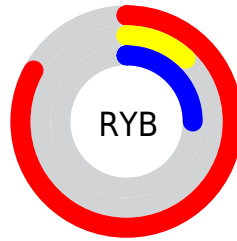
The XYZ color **28.2254, 15.1363, 6.1366** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.8679, 50.0796, 50.1163**, and the grayscale version is **9.2630, 9.7454, 10.6127**.

A 20% lighter version of the original color is **48.4222, 31.1212, 18.2067**, and **12.3481, 6.3500, 1.2843** is the 20% darker color. If you saturate the color by 10%, you get **27.4487, 14.2377, 3.8600**, and if you desaturate by 10%, it is **29.5103, 16.8099, 9.3283**.

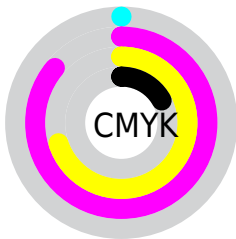
Distribution



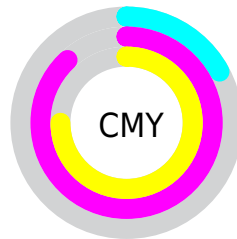
- Red (83%)
- Green (12%)
- Blue (25%)



- Red (83%)
- Yellow (12%)
- Blue (25%)



- Cyan (0%)
- Magenta (86%)
- Yellow (70%)
- Black (17%)





- Cyan (17%)
- Magenta (88%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2254, 15.1363, 6.1366 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 28.2254, 15.1363, 6.1366 by changing the saturation by 10% instead.


 28.2254, 15.1363,
6.1366


 28.2254, 15.1363,
6.1366


285.6030,
224.1897, 169.6324


 18.6370, 8.9151,
2.8582


 56.2502, 35.0921,
18.6963

 11.5107, 4.6858,
1.0227


 75.4173, 49.5955,
28.8147


 6.4813, 2.0641,
0.0000


 98.5080, 67.6284,
42.0501

 3.1833, 0.6443,
0.0000

 125.8877, 89.5753,
58.8212

 1.2514, 0.0000,
0.0000

 157.9217,
115.8204, 79.5464

 0.1464, 0.0000,
0.0000

 194.9753,

 0.0000, 0.0000,

146.7483, 104.6443

0.0000

237.4140,
182.7433, 134.5335

■ 28.2254, 15.1363,
6.1366

■ 28.2254, 15.1363,
6.1366

■ 27.4487, 14.2377,
3.8600

■ 29.5103, 16.8099,
9.3283

■ 27.2209, 13.9916,
3.1380

■ 31.3769, 19.3846,
13.5223

■ 33.8873, 22.9662,
18.7957

■ 37.0948, 27.6449,
25.2178

■ 41.0472, 33.5009,
32.8518

■ 45.7881, 40.6070,
41.7562

■ 51.3576, 49.0298,
51.9859

■ 57.7930, 58.8316,
63.5922

■ 65.1293, 70.0704,
76.6239

Harmonies

Analogous

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



29.7658, 15.1363, 20.2949



28.2254, 15.1363, 6.1366



22.5731, 15.1363, 1.4248

Triad

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



28.2254, 15.1363, 6.1366



6.7453, 15.1363, 3.4710



13.1814, 15.1363, 78.9321

Complementary

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



28.2254, 15.1363, 6.1366



31.8679, 50.0796, 50.1163

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.



8.4658, 15.1363, 62.3077



28.2254, 15.1363, 6.1366



5.4996, 15.1363, 13.1774

Square

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



28.2254, 15.1363, 6.1366



10.0660, 15.1363, 0.8309



6.0240, 15.1363, 34.6098



19.7945, 15.1363, 71.3331

Rectangle

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



28.2254, 15.1363, 6.1366



17.9187, 15.1363, 0.5847



6.0240, 15.1363, 34.6098



11.3521, 15.1363, 75.7595

Sweetspot

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



28.2257, 15.1372, 6.1368



69.8901, 61.7330, 63.3560



30.5413, 15.0764, 62.9278



14.3884, 12.3553, 12.4953



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.



28.2257, 15.1372, 6.1368



41.7424, 21.4610, 4.5758



30.5333, 20.8126, 3.6376



11.8955, 11.8429, 12.7253



16.4554, 8.4550, 2.0383



0.9472, 0.4836, 0.2569

Inverse Universe

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



28.2257, 15.1372, 6.1368



41.7424, 21.4610, 4.5758



23.7982, 27.9882, 65.7754



11.8955, 11.8429, 12.7253



16.4554, 8.4550, 2.0383



0.9472, 0.4836, 0.2569

Previews

White Background



This preview shows how the XYZ color 28.2254, 15.1363, 6.1366 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 28.2254, 15.1363, 6.1366 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 28.2254, 15.1363, 6.1366

Background



This preview shows how black text looks on a background with the XYZ color 28.2254, 15.1363, 6.1366.



This preview shows how white text looks on a background with the XYZ color 28.2254, 15.1363,

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

28.2254, 15.1363, 6.1366

Protanopia

14.5594, 15.4056, 12.1037

Deuteranopia

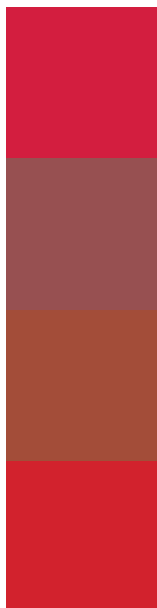
15.5846, 15.3086, 5.5016



Tritanopia

27.5433, 15.1461, 3.0619

Trichromacy



Original Color

28.2254, 15.1363, 6.1366

Protanomaly

17.1164, 12.9107, 9.3745

Deuteranomaly

18.4967, 13.3897, 5.4805

Tritanomaly

27.6240, 15.0352, 3.9287

Monochromacy



Original Color

28.2254, 15.1363, 6.1366

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.0913, 9.5654, 8.5534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2254, 15.1363, 6.1366 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(211, 30, 63)` looks like.

```
.text, #text, p{  
    color:rgb(211, 30, 63)  
}
```

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(211, 30, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 30, 63) }
```

Border

The CSS property to change the border of an element to XYZ 28.2254, 15.1363, 6.1366 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(211, 30, 63) }
```


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

```
.border{ border-color:rgb(211, 30, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 30, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 30, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 30, 63);  
box-shadow:4px 4px 4px 4px rgb(211, 30,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2254, 15.1363, 6.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 30, 63) }
```

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

```
.background{ background-color: rgb(211, 30,  
63) }
```

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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