

Converting Colors

XYZ(28.7627, 15.9759, 6.1351)

Have a look what the booklet for
XYZ(28.7627, 15.9759, 6.1351)
contains.

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Color

**XYZ(28.8488, 16.0008,
6.1254)**

Conversions

Conversions Part 1

Format	Color
Hex	D42A3E
RGB	212, 42, 62
RGB Percent	83%, 16%, 24%
CMY	0.1686, 0.8352, 0.7569
CMYK	0.00, 0.80, 0.71, 0.17
HSL	353°, 67%, 50%
HSV	353°, 80%, 83%
XYZ	28.8488, 16.0008, 6.1254
YIQ	95.1100, 94.9000, 42.2600

Conversions

Conversions Part 2

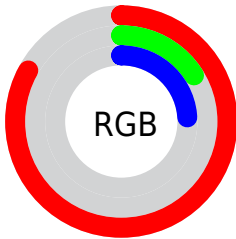
Format	Color
R _Y B	212, 42, 62
Decimal	13904446
CIE Lab	46.98, 64.57, 31.94
CIE LCh	47, 72.044, 26.321
Yxy	16.0008, 0.5659, 0.3139
Android (android.graphics.Color)	4292094526 (0xFFD42A3E)
YUV	95.1100, -16.3232, 102.5125
Hunter-Lab	40.0010, 58.7328, 18.9216

Details

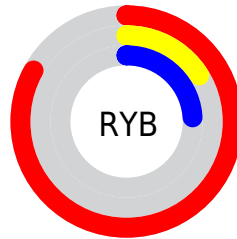
The XYZ color **28.8488, 16.0008, 6.1254** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.0148, 51.3855, 58.0032**, and the grayscale version is **10.9272, 11.4963, 12.5195**.

A 20% lighter version of the original color is **49.0048, 32.2864, 18.4009**, and **12.5207, 6.4401, 1.2450** is the 20% darker color. If you saturate the color by 10%, you get **27.8574, 14.7031, 3.6835**, and if you desaturate by 10%, it is **30.4149, 18.1656, 9.6306**.

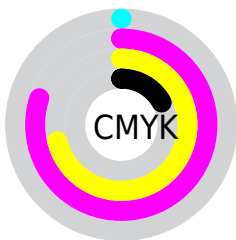
Distribution



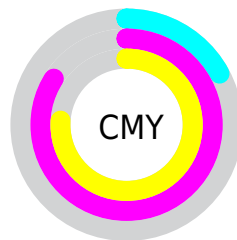
- Red (83%)
- Green (16%)
- Blue (24%)



- Red (83%)
- Yellow (16%)
- Blue (24%)



- Cyan (0%)
- Magenta (80%)
- Yellow (71%)
- Black (17%)





- Cyan (17%)
- Magenta (84%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8488, 16.0008, 6.1254 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 28.8488, 16.0008, 6.1254 by changing the saturation by 10% instead.


 28.8488, 16.0008,
6.1254


 28.8488, 16.0008,
6.1254


288.5080,
229.3464, 169.5299


 19.1102, 9.5247,
2.8515


 57.2360, 36.5996,
18.6728


 11.8544, 5.0850,
1.0193


 76.6153, 51.4911,
28.7833

 6.7161, 2.2972,
0.0000


 99.9388, 69.9565,
42.0097

 3.3299, 0.7722,
0.0000

 127.5720, 92.3803,
58.7706

 1.3305, 0.0000,
0.0000

 159.8801,
119.1468, 79.4846

 0.2059, 0.0000,
0.0000

 197.2286,

 0.0000, 0.0000,

150.6403, 104.5701

0.0000

239.9828,
187.2454, 134.4457

■ 28.8488, 16.0008,
6.1254

■ 28.8488, 16.0008,
6.1254

■ 27.8574, 14.7031,
3.6835

■ 30.4149, 18.1656,
9.6306

■ 27.3258, 14.0668,
2.1904

■ 32.6259, 21.3111,
14.3027

■ 35.5429, 25.5368,
20.2336

■ 39.2199, 30.9293,
27.5060

■ 43.7051, 37.5662,
36.1952

■ 49.0431, 45.5186,
46.3710

■ 55.2750, 54.8521,
58.0987

■ 62.4393, 65.6280,
71.4394

■ 70.5723, 77.9039,
86.4513

Harmonies

Analogous

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



30.7758, 16.0008, 19.7434



28.8488, 16.0008, 6.1254



22.9601, 16.0008, 1.5649

Triad

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



28.8488, 16.0008, 6.1254



7.1932, 16.0008, 4.3991



14.4445, 16.0008, 80.0046

Complementary

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



28.8488, 16.0008, 6.1254



34.0148, 51.3855, 58.0032

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.



9.4331, 16.0008, 65.1489



28.8488, 16.0008, 6.1254



6.0421, 16.0008, 15.2904

Square

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



28.8488, 16.0008, 6.1254



10.4461, 16.0008, 1.1597



6.7318, 16.0008, 37.7670



21.2342, 16.0008, 70.6581

Rectangle

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



28.8488, 16.0008, 6.1254



18.2553, 16.0008, 0.7685



6.7318, 16.0008, 37.7670



12.5207, 16.0008, 77.5109

Sweetspot

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



28.8492, 16.0018, 6.1256



71.0294, 63.9714, 63.8595



33.7815, 17.2721, 63.8401



14.5874, 12.7756, 12.4931



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.



28.8492, 16.0018, 6.1256



41.7166, 21.6278, 3.8937



32.5542, 24.1340, 5.1345



12.4821, 12.4443, 13.2127



16.8890, 8.6919, 1.4534



1.0389, 0.5324, 0.1944

Inverse Universe

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



28.8492, 16.0018, 6.1256



41.7166, 21.6278, 3.8937



23.6931, 26.9541, 66.2407



12.4821, 12.4443, 13.2127



16.8890, 8.6919, 1.4534



1.0389, 0.5324, 0.1944

Previews

White Background



This preview shows how the XYZ color 28.8488, 16.0008, 6.1254 looks on a white background.

Color Contrast Check

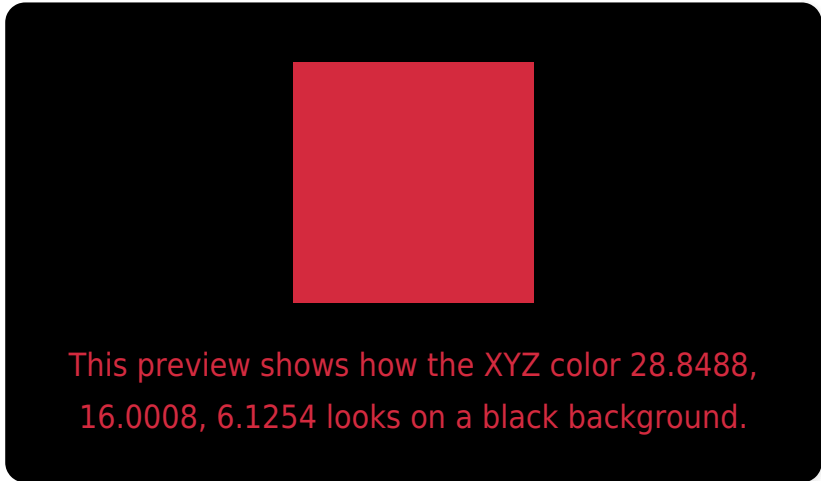
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8488, 16.0008, 6.1254

Background



This preview shows how black text looks on a background with the XYZ color 28.8488, 16.0008, 6.1254.



This preview shows how white text looks on a background with the XYZ color 28.8488, 16.0008,

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

28.8488, 16.0008, 6.1254

Protanopia

15.2602, 16.2695, 11.3529

Deuteranopia

16.5250, 16.2523, 5.5149



Tritanopia

28.2955, 15.9229, 4.1669

Trichromacy



Original Color

28.8488, 16.0008, 6.1254

Protanomaly

17.9202, 14.1388, 8.9923

Deuteranomaly

19.5330, 14.5790, 5.5259

Tritanomaly

28.3845, 15.8982, 4.8214

Monochromacy



Original Color

28.8488, 16.0008, 6.1254

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.6270, 11.1967, 9.5739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8488, 16.0008, 6.1254 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, 42, 62)` looks like.

```
.text, #text, p{  
    color:rgb(212, 42, 62)  
}
```

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, 42, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 42, 62) }
```

Border

The CSS property to change the border of an element to XYZ 28.8488, 16.0008, 6.1254 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, 42, 62) }
```


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

```
.border{ border-color:rgb(212, 42, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 42, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 42, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 42, 62);  
box-shadow:4px 4px 4px 4px rgb(212, 42,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8488, 16.0008, 6.1254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 42, 62) }
```

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

```
.background{ background-color: rgb(212, 42,  
62) }
```

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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