

Converting Colors

XYZ(28.7266, 16.2193, 8.8243)

Have a look what the booklet for
XYZ(28.7266, 16.2193, 8.8243)
contains.

XYZ(28.7266, 16.2193, 8.8243)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7266, 16.2193,
8.8243)**

Conversions

Conversions Part 1

Format	Color
Hex	D1304E
RGB	209, 48, 78
RGB Percent	82%, 19%, 31%
CMY	0.1804, 0.8117, 0.6941
CMYK	0.00, 0.77, 0.63, 0.18
HSL	349°, 64%, 50%
HSV	349°, 77%, 82%
XYZ	28.7266, 16.2193, 8.8243
YIQ	99.5590, 86.3260, 43.4620

Conversions

Conversions Part 2

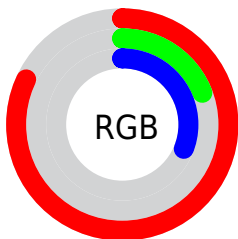
Format	Color
RYB	209, 48, 78
Decimal	13709390
CIELab	47.26, 62.87, 22.52
CIElCh	47, 66.781, 19.708
Yxy	16.2193, 0.5342, 0.3016
Android (android.graphics.Color)	4291899470 (0xFFD1304E)
YUV	99.5590, -10.6286, 95.9798
Hunter-Lab	40.2732, 56.8448, 15.2001

Details

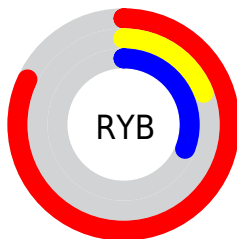
The XYZ color **28.7266, 16.2193, 8.8243** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **32.1578, 49.4845, 50.5108**, and the grayscale version is **12.0131, 12.6388, 13.7636**.

A 20% lighter version of the original color is **50.4333, 33.5174, 23.8901**, and **12.3214, 6.3185, 2.0836** is the 20% darker color. If you saturate the color by 10%, you get **27.5310, 14.6811, 5.7967**, and if you desaturate by 10%, it is **30.4830, 18.6271, 12.8170**.

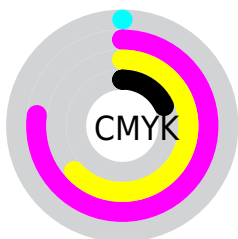
Distribution



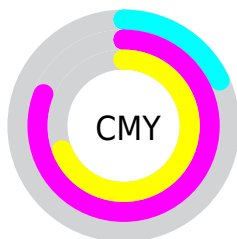
- Red (82%)
- Green (19%)
- Blue (31%)



- Red (82%)
- Yellow (19%)
- Blue (31%)



- Cyan (0%)
- Magenta (77%)
- Yellow (63%)
- Black (18%)





- Cyan (18%)
- Magenta (81%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7266, 16.2193, 8.8243 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 28.7266, 16.2193, 8.8243 by changing the saturation by 10% instead.


 28.7266, 16.2193,
8.8243


 28.7266, 16.2193,
8.8243

287.9403,
230.6323, 192.2313


 19.0173, 9.6795,
4.5315


 57.0430, 36.9785,
24.1316


 11.7869, 5.1870,
1.9212


 76.3808, 51.9667,
35.9831

 6.6699, 2.3574,
0.5062


 99.6589, 70.5397,
51.1913

 3.3010, 0.8038,
0.0000

 127.2426, 93.0821,
70.1747

 1.3149, 0.0000,
0.0000

 159.4972,
119.9781, 93.3519

 0.1943, 0.0000,
0.0000

196.7881,

 0.0000, 0.0000,

151.6122, 121.1414

0.0000

239.4807,
188.3688, 153.9616

■ 28.7266, 16.2193,
8.8243

■ 28.7266, 16.2193,
8.8243

■ 27.5310, 14.6811,
5.7967

■ 30.4830, 18.6271,
12.8170

■ 26.8162, 13.8719,
3.6457


■ 32.8602, 22.0062,
17.8491


■ 26.6594, 13.7013,
3.1530


■ 35.9113, 26.4471,
23.9882


■ 39.6837, 32.0291,
31.2962

■ 44.2199, 38.8241,
39.8298

 49.5596, 46.8979,
49.6423

 55.7394, 56.3115,
60.7838

 62.7936, 67.1223,
73.3016

 70.7548, 79.3840,
87.2407

Harmonies

Analogous

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



29.4614, 16.2193, 24.1131



28.7266, 16.2193, 8.8243



23.9621, 16.2193, 2.6738

Triad

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



28.7266, 16.2193, 8.8243



8.2900, 16.2193, 3.8923



13.4795, 16.2193, 72.6648

Complementary

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



28.7266, 16.2193, 8.8243



32.1578, 49.4845, 50.5108

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.



9.1900, 16.2193, 55.7566



28.7266, 16.2193, 8.8243



6.7414, 16.2193, 12.4751

Square

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



28.7266, 16.2193, 8.8243



11.9032, 16.2193, 1.3422



7.0224, 16.2193, 31.0129



19.5596, 16.2193, 69.1834

Rectangle

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



28.7266, 16.2193, 8.8243



19.6873, 16.2193, 1.3626



7.0224, 16.2193, 31.0129



11.8120, 16.2193, 68.9023

Sweetspot

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



28.7270, 16.2203, 8.8245



72.3551, 65.4164, 68.0210



30.6525, 16.0423, 61.8022



14.8628, 13.0606, 13.4046



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.



28.7270, 16.2203, 8.8245



42.4255, 22.1458, 6.9039



31.0392, 22.1910, 5.4450



11.8974, 11.8437, 12.7356



16.4644, 8.4586, 2.0855



0.9481, 0.4840, 0.2617

Inverse Universe

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



28.7270, 16.2203, 8.8245



42.4255, 22.1458, 6.9039



25.4212, 30.6183, 64.8913



11.8974, 11.8437, 12.7356



16.4644, 8.4586, 2.0855



0.9481, 0.4840, 0.2617

Previews

White Background



This preview shows how the XYZ color 28.7266, 16.2193, 8.8243 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 28.7266, 16.2193, 8.8243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

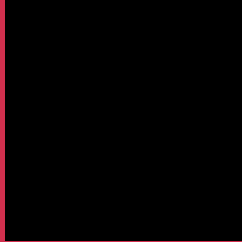
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7266, 16.2193, 8.8243

Background



This preview shows how black text looks on a background with the XYZ color 28.7266, 16.2193, 8.8243.



This preview shows how white text looks on a background with the XYZ color 28.7266, 16.2193,

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

28.7266, 16.2193, 8.8243

Protanopia

15.7318, 16.4109, 15.9741

Deuteranopia

16.6214, 16.4016, 8.0841



Tritanopia

27.9751, 16.2319, 5.2731

Trichromacy



Original Color

28.7266, 16.2193, 8.8243

Protanomaly

18.2614, 14.4733, 12.8975

Deuteranomaly

19.6346, 14.9231, 8.1489

Tritanomaly

28.0935, 16.1364, 6.3366

Monochromacy



Original Color

28.7266, 16.2193, 8.8243

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.6894, 12.2330, 11.6595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7266, 16.2193, 8.8243 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(209, 48, 78)` looks like.

```
.text, #text, p{  
    color:rgb(209, 48, 78)  
}
```

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(209, 48, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 48, 78) }
```

Border

The CSS property to change the border of an element to XYZ 28.7266, 16.2193, 8.8243 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(209, 48, 78) }
```


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

```
.border{ border-color:rgb(209, 48, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 48, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 48, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 48, 78);  
box-shadow:4px 4px 4px 4px rgb(209, 48,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7266, 16.2193, 8.8243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 48, 78) }
```

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

```
.background{ background-color: rgb(209, 48,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor