

Converting Colors

XYZ(27.2553, 11.7828, 7.8209)

Have a look what the booklet for
XYZ(27.2553, 11.7828, 7.8209)
contains.

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Color

**XYZ(28.7801, 14.6820,
8.3382)**

Conversions

Conversions Part 1

Format	Color
Hex	D5004D
RGB	213, 0, 77
RGB Percent	84%, 0%, 30%
CMY	0.1647, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.64, 0.16
HSL	338°, 100%, 42%
HSV	338°, 100%, 84%
XYZ	28.7801, 14.6820, 8.3382
YIQ	72.4650, 102.2310, 69.1030

Conversions

Conversions Part 2

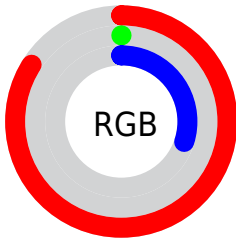
Format	Color
RYB	213, 0, 77
Decimal	13959245
CIELab	45.20, 71.98, 20.58
CIElCh	45, 74.864, 15.955
Yxy	14.6820, 0.5556, 0.2834
Android (android.graphics.Color)	4292149325 (0xFFD5004D)
YUV	72.4650, 2.2358, 123.2492
Hunter-Lab	38.3171, 67.0170, 13.9198

Details

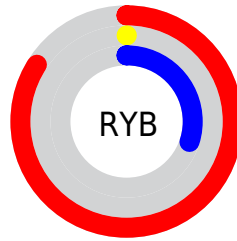
The XYZ color **28.7801, 14.6820, 8.3382** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **28.2420, 49.3674, 31.3509**, and the grayscale version is **6.2283, 6.5527, 7.1358**.

A 20% lighter version of the original color is **48.5140, 29.8854, 22.6135**, and **12.8664, 6.5995, 2.1091** is the 20% darker color. If you saturate the color by 10%, you get **28.7788, 14.6814, 8.3324**, and if you desaturate by 10%, it is **29.5862, 15.4438, 11.2296**.

Distribution



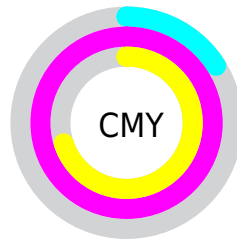
- Red (84%)
- Green (0%)
- Blue (30%)



- Red (84%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7801, 14.6820, 8.3382 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 28.7801, 14.6820, 8.3382 by changing the saturation by 10% instead.

 28.7801, 14.6820,
8.3382


 28.7801, 14.6820,
8.3382


288.1889,
221.4333, 188.3937


 19.0580, 8.5965,
4.2212


 57.1275, 34.2943,
23.1759


 11.8164, 4.4790,
1.7475


 76.4835, 48.5900,
34.7336

 6.6901, 1.9449,
0.3930


 99.7815, 66.3911,
49.6088

 3.3137, 0.5752,
0.0000

 127.3869, 88.0822,
68.2198

 1.3217, 0.0000,
0.0000

 159.6649,
114.0475, 90.9853

 0.1994, 0.0000,
0.0000

 196.9811,

 0.0000, 0.0000,

144.6716, 118.3237

0.0000

239.7006,
180.3387, 150.6537

■ 28.7801, 14.6820,
8.3382

■ 28.7801, 14.6820,
8.3382

■ 28.7788, 14.6814,
8.3324

■ 29.5862, 15.4438,
11.2296

■ 30.8007, 16.8520,
14.7811

■ 32.5296, 19.1105,
19.0544

■ 34.8332, 22.3322,
24.0942

■ 37.7631, 26.6124,
29.9407

■ 41.3647, 32.0349,
36.6308

■ 45.6790, 38.6750,
44.1988

■ 50.7436, 46.6016,
52.6772

■ 56.5933, 55.8783,
62.0963

Harmonies

Analogous

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



28.9464, 14.6820, 25.7484



28.7801, 14.6820, 8.3382



23.9526, 14.6820, 1.8806

Triad

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



28.7801, 14.6820, 8.3382



7.0381, 14.6820, 2.0797



11.2652, 14.6820, 76.9344

Complementary

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



28.7801, 14.6820, 8.3382



28.2420, 49.3674, 31.3509

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.



7.2169, 14.6820, 55.0414



28.7801, 14.6820, 8.3382



5.3105, 14.6820, 9.0682

Square

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



28.7801, 14.6820, 8.3382



10.9369, 14.6820, 0.4155



5.3645, 14.6820, 27.2829



17.4823, 14.6820, 76.1009

Rectangle

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



28.7801, 14.6820, 8.3382



19.3777, 14.6820, 0.6681



5.3645, 14.6820, 27.2829



9.6517, 14.6820, 71.5479

Sweetspot

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



28.7804, 14.6829, 8.3384



68.4181, 57.7634, 66.0276



21.9891, 9.9492, 63.7117



14.0277, 11.4103, 13.0645



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.



28.7804, 14.6829, 8.3384



43.1782, 22.0353, 12.1362



27.8664, 14.9978, 1.4275



12.6068, 12.4942, 13.8699



17.6243, 8.9860, 5.3254



1.1020, 0.5576, 0.5267

Inverse Universe

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



28.7804, 14.6829, 8.3384



43.1782, 22.0353, 12.1362



29.2774, 39.3376, 69.0001



12.6068, 12.4942, 13.8699



17.6243, 8.9860, 5.3254



1.1020, 0.5576, 0.5267

Previews

White Background



This preview shows how the XYZ color 28.7801, 14.6820, 8.3382 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 28.7801, 14.6820, 8.3382

Background



This preview shows how black text looks on a background with the XYZ color 28.7801, 14.6820, 8.3382.



This preview shows how white text looks on a background with the XYZ color 28.7801, 14.6820,

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

28.7801, 14.6820, 8.3382

Protanopia

14.7736, 15.2324, 17.7843

Deuteranopia

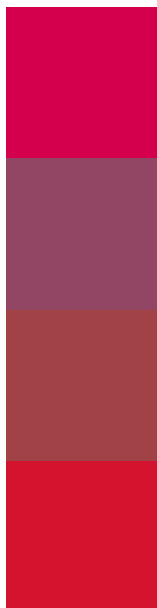
15.5094, 15.2235, 7.5898



Tritanopia

27.8510, 15.0609, 2.5377

Trichromacy



Original Color

28.7801, 14.6820, 8.3382

Protanomaly

16.4610, 11.3794, 13.3854

Deuteranomaly

17.7835, 11.9284, 7.3264

Tritanomaly

27.8947, 14.6946, 3.9509

Monochromacy



Original Color

28.7801, 14.6820, 8.3382

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.3814, 6.6594, 7.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7801, 14.6820, 8.3382 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(213, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 77)  
}
```

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(213, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 28.7801, 14.6820, 8.3382 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(213, 0, 77) }
```


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

```
.border{ border-color:rgb(213, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(213, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7801, 14.6820, 8.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 77) }
```

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

```
.background{ background-color: rgb(213, 0,  
77) }
```

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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