

Converting Colors

XYZ(27.7765, 14.1514, 8.8870)

Have a look what the booklet for
XYZ(27.7765, 14.1514, 8.8870)
contains.

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Color

**XYZ(27.7425, 14.1345,
8.8555)**

Conversions

Conversions Part 1

Format	Color
Hex	D10050
RGB	209, 0, 80
RGB Percent	82%, 0%, 31%
CMY	0.1804, 0.9998, 0.6863
CMYK	0.00, 1.00, 0.62, 0.18
HSL	337°, 100%, 41%
HSV	337°, 100%, 82%
XYZ	27.7425, 14.1345, 8.8555
YIQ	71.6110, 98.8840, 69.1880

Conversions

Conversions Part 2

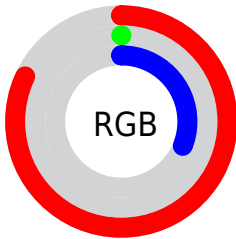
Format	Color
R_{YB}	209, 0, 80
Decimal	13697104
CIE _{Lab}	44.43, 71.22, 17.53
CIE _{LCh}	44, 73.342, 13.828
Yxy	14.1345, 0.5468, 0.2786
Android (android.graphics.Color)	4291887184 (0xFFD10050)
YUV	71.6110, 4.1358, 120.4902
Hunter-Lab	37.5959, 65.9247, 12.3517

Details

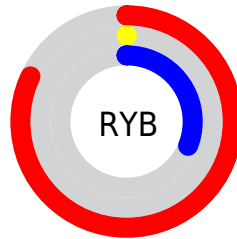
The XYZ color **27.7425, 14.1345, 8.8555** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **26.7661, 47.1871, 28.4807**, and the grayscale version is **6.0782, 6.3948, 6.9639**.

A 20% lighter version of the original color is **48.6922, 29.8244, 23.9592**, and **12.3511, 6.3304, 2.2400** is the 20% darker color. If you saturate the color by 10%, you get **27.7414, 14.1341, 8.8504**, and if you desaturate by 10%, it is **28.5330, 14.8781, 11.7013**.

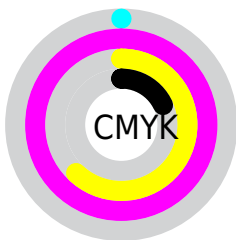
Distribution



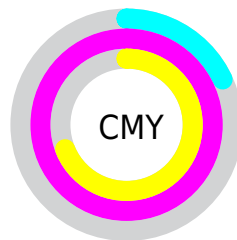
- Red (82%)
- Green (0%)
- Blue (31%)



- Red (82%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7425, 14.1345, 8.8555 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 27.7425, 14.1345, 8.8555 by changing the saturation by 10% instead.

 27.7425, 14.1345,
8.8555


 27.7425, 14.1345,
8.8555


283.3369,
218.0660, 192.4745


 18.2711, 8.2143,
4.5515


 55.4846, 33.3275,
24.1925


 11.2457, 4.2324,
1.9325


 74.4860, 47.3690,
36.0627


 6.3008, 1.8044,
0.5133


 97.3948, 64.8865,
51.2920

 3.0712, 0.4899,
0.0000

 124.5763, 86.2642,
70.2990

 1.1916, 0.0000,
0.0000

 156.3959,
111.8866, 93.5022

 0.0997, 0.0000,
0.0000

 193.2190,

 0.0000, 0.0000,

142.1381, 121.3201

0.0000

235.4109,
177.4031, 154.1714

■ 27.7425, 14.1345,
8.8555

■ 27.7425, 14.1345,
8.8555

■ 27.7414, 14.1341,
8.8504

■ 28.5330, 14.8781,
11.7013

■ 29.7082, 16.2366,
15.1509

■ 31.3699, 18.4067,
19.2605

■ 33.5753, 21.4958,
24.0699

■ 36.3728, 25.5948,
29.6149

■ 39.8055, 30.7833,
35.9285

■ 43.9120, 37.1330,
43.0412

■ 48.7278, 44.7096,
50.9819

■ 54.2859, 53.5736,
59.7778

Harmonies

Analogous

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



27.5481, 14.1345, 26.3341



27.7425, 14.1345, 8.8555



23.3978, 14.1345, 2.0717

Triad

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



27.7425, 14.1345, 8.8555



7.0082, 14.1345, 1.8343



10.5148, 14.1345, 72.4700

Complementary

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



27.7425, 14.1345, 8.8555



26.7661, 47.1871, 28.4807

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.



6.7975, 14.1345, 50.6539



27.7425, 14.1345, 8.8555



5.2166, 14.1345, 7.9962

Square

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



27.7425, 14.1345, 8.8555



10.9004, 14.1345, 0.3761



5.1529, 14.1345, 24.5387



16.3335, 14.1345, 73.4414

Rectangle

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



27.7425, 14.1345, 8.8555



19.0876, 14.1345, 0.7532



5.1529, 14.1345, 24.5387



9.0246, 14.1345, 66.8719

Sweetspot

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



27.7428, 14.1354, 8.8557



68.6173, 57.8430, 67.0764



20.5470, 9.2636, 61.0265



14.0742, 11.4289, 13.3097



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.



27.7428, 14.1354, 8.8557



43.4247, 22.1339, 13.4342



26.6300, 14.2261, 1.3436



11.9933, 11.8820, 13.2403



17.1493, 8.7325, 5.6921



0.9971, 0.5036, 0.5198

Inverse Universe

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



27.7428, 14.1354, 8.8557



43.4247, 22.1339, 13.4342



28.7790, 39.1434, 66.3600



11.9933, 11.8820, 13.2403



17.1493, 8.7325, 5.6921



0.9971, 0.5036, 0.5198

Previews

White Background



This preview shows how the XYZ color 27.7425, 14.1345, 8.8555 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 27.7425, 14.1345, 8.8555 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 27.7425, 14.1345, 8.8555

Background



This preview shows how black text looks on a background with the XYZ color 27.7425, 14.1345, 8.8555.



This preview shows how white text looks on a background with the XYZ color 27.7425, 14.1345,

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

27.7425, 14.1345, 8.8555

Protanopia

14.4124, 14.8639, 18.9390

Deuteranopia

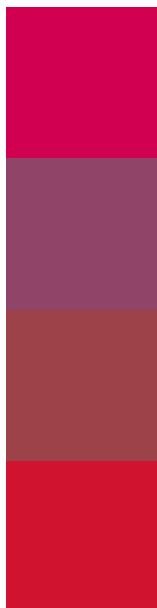
15.0408, 14.8226, 8.0295



Tritanopia

26.4830, 14.3922, 2.6105

Trichromacy



Original Color

27.7425, 14.1345, 8.8555

Protanomaly

15.8935, 10.9734, 14.3771

Deuteranomaly

17.2848, 11.6599, 7.8181

Tritanomaly

26.7961, 14.1236, 4.1101

Monochromacy



Original Color

27.7425, 14.1345, 8.8555

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.2730, 6.5996, 7.3890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7425, 14.1345, 8.8555 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, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 80)  
}
```

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, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 27.7425, 14.1345, 8.8555 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, 0, 80) }
```


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

```
.border{ border-color:rgb(209, 0, 80) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.7425, 14.1345, 8.8555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 80) }
```

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

```
.background{ background-color: rgb(209, 0,  
80) }
```

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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