

Converting Colors

XYZ(27.6046, 13.7992, 20.7856)

Have a look what the booklet for
XYZ(27.6046, 13.7992, 20.7856)
contains.

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Color

**XYZ(27.5853, 13.7857,
20.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	C8007E
RGB	200, 0, 126
RGB Percent	78%, 0%, 49%
CMY	0.2157, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.37, 0.22
HSL	322°, 100%, 39%
HSV	322°, 100%, 78%
XYZ	27.5853, 13.7857, 20.9457
YIQ	74.1640, 78.7540, 81.5860

Conversions

Conversions Part 2

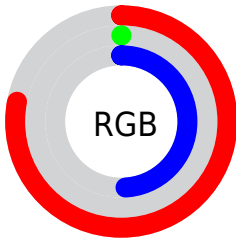
Format	Color
R_{YB}	200, 0, 126
Decimal	13107326
CIE _{Lab}	43.92, 72.75, -12.14
CIE _{LCh}	44, 73.754, 350.529
Yxy	13.7857, 0.4427, 0.2212
Android (android.graphics.Color)	4291297406 (0xFFC8007E)
YUV	74.1640, 25.5551, 110.3582
Hunter-Lab	37.1291, 67.6418, -7.4570

Details

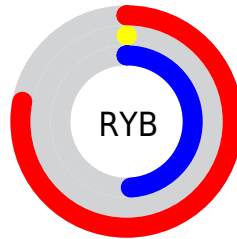
The XYZ color **27.5853, 13.7857, 20.9457** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **21.8919, 41.8036, 13.3998**, and the grayscale version is **6.4877, 6.8256, 7.4330**.

A 20% lighter version of the original color is **52.8664, 31.4941, 45.9404**, and **12.1548, 6.1113, 7.5601** is the 20% darker color. If you saturate the color by 10%, you get **27.5845, 13.7854, 20.9414**, and if you desaturate by 10%, it is **28.3316, 14.4855, 23.6388**.

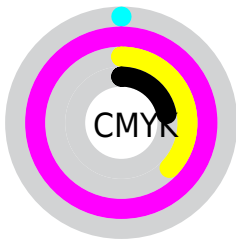
Distribution



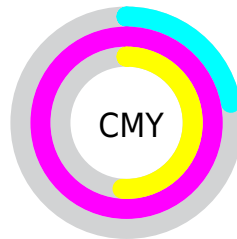
- Red (78%)
- Green (0%)
- Blue (49%)



- Red (78%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5853, 13.7857, 20.9457 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 27.5853, 13.7857, 20.9457 by changing the saturation by 10% instead.


 27.5853, 13.7857,
20.9457


 27.5853, 13.7857,
20.9457


282.5961,
215.8936, 269.7613


 18.1521, 7.9718,
12.8935


 55.2350, 32.7083,
45.8768


 11.1596, 4.0769,
7.2254


 74.1822, 46.5858,
63.5927


 6.2424, 1.7167,
3.5229


 97.0314, 63.9198,
85.3669

 3.0351, 0.4344,
1.3674

 124.1481, 85.0950,
111.6179

 1.1723, 0.0000,
0.1161

 155.8976,
110.4955, 142.7644

 0.0844, 0.0000,
0.0000

 192.6452,

 0.0000, 0.0000,

140.5058, 179.2247

0.0000

234.7562,
175.5104, 221.4175

■ 27.5853, 13.7857,
20.9457

■ 27.5853, 13.7857,
20.9457

■ 27.5845, 13.7854,
20.9414

■ 28.3316, 14.4855,
23.6388

■ 29.3724, 15.7165,
26.6080

■ 30.7986, 17.6593,
29.8871

■ 32.6580, 20.4088,
33.4956

■ 34.9914, 24.0450,
37.4504

■ 37.8345, 28.6385,
41.7665

■ 41.2193, 34.2525,
46.4580

■ 45.1755, 40.9448,
51.5376

■ 49.7301, 48.7690,
57.0176

Harmonies

Analogous

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



23.8177, 13.7857, 46.1211



27.5853, 13.7857, 20.9457



26.6760, 13.7857, 6.3240

Triad

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



27.5853, 13.7857, 20.9457



9.5478, 13.7857, 0.4657



7.1845, 13.7857, 56.0112

Complementary

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



27.5853, 13.7857, 20.9457



21.8919, 41.8036, 13.3998

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.



5.1517, 13.7857, 29.3405



27.5853, 13.7857, 20.9457



6.2079, 13.7857, 2.4460

Square

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



27.5853, 13.7857, 20.9457



15.0381, 13.7857, 0.2085



4.8570, 13.7857, 10.3176



11.3413, 13.7857, 74.2843

Rectangle

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



27.5853, 13.7857, 20.9457



23.6199, 13.7857, 2.3129



4.8570, 13.7857, 10.3176



6.2891, 13.7857, 47.0882

Sweetspot

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



27.5857, 13.7865, 20.9459



71.0825, 58.8291, 80.0577



13.2004, 5.6013, 55.0290



14.6568, 11.6620, 16.3775



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.



27.5857, 13.7865, 20.9459



47.6408, 23.8203, 35.6360



24.0141, 12.3579, 2.1382



10.9102, 10.7475, 12.5103



17.5837, 8.7830, 13.5494



0.8667, 0.4295, 0.8212

Inverse Universe

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



27.5857, 13.7865, 20.9459



47.6408, 23.8203, 35.6360



28.2303, 44.3390, 46.7772



10.9102, 10.7475, 12.5103



17.5837, 8.7830, 13.5494



0.8667, 0.4295, 0.8212

Previews

White Background



This preview shows how the XYZ color 27.5853, 13.7857, 20.9457 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 27.5853, 13.7857, 20.9457 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 27.5853, 13.7857, 20.9457

Background



This preview shows how black text looks on a background with the XYZ color 27.5853, 13.7857, 20.9457.



This preview shows how white text looks on a background with the XYZ color 27.5853, 13.7857,

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

27.5853, 13.7857, 20.9457

Protanopia

15.9362, 14.6124, 45.1606

Deuteranopia

14.6167, 14.3644, 18.8318



Tritanopia

24.2438, 14.1223, 4.5801

Trichromacy



Original Color

27.5853, 13.7857, 20.9457



Protanomaly

15.9011, 10.3564, 34.4186



Deuteranomaly

16.6661, 11.0921, 19.0319



Tritanomaly

24.9176, 13.4534, 8.4912

Monochromacy



Original Color

27.5853, 13.7857, 20.9457



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7380, 6.8164, 11.1057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5853, 13.7857, 20.9457 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(200, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 126)  
}
```

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(200, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 27.5853, 13.7857, 20.9457 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(200, 0, 126) }
```


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

```
.border{ border-color:rgb(200, 0, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 0, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5853, 13.7857, 20.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 126) }
```

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

```
.background{ background-color: rgb(200, 0,  
126) }
```

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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