

Converting Colors

XYZ(27.0326, 13.7905, 7.8303)

Have a look what the booklet for
XYZ(27.0326, 13.7905, 7.8303)
contains.

XYZ(27.0021, 13.7734, 7.8920)	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(27.0021, 13.7734,
7.8920)**

Conversions

Conversions Part 1

Format	Color
Hex	CF004B
RGB	207, 0, 75
RGB Percent	81%, 0%, 29%
CMY	0.1882, 0.9998, 0.7059
CMYK	0.00, 1.00, 0.64, 0.19
HSL	338°, 100%, 41%
HSV	338°, 100%, 81%
XYZ	27.0021, 13.7734, 7.8920
YIQ	70.4430, 99.2970, 67.2090

Conversions

Conversions Part 2

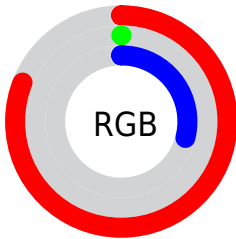
Format	Color
RYB	207, 0, 75
Decimal	13566027
CIELab	43.91, 70.48, 19.90
CIELCh	44, 73.231, 15.766
Yxy	13.7734, 0.5548, 0.2830
Android (android.graphics.Color)	4291756107 (0xFFCF004B)
YUV	70.4430, 2.2466, 119.7605
Hunter-Lab	37.1125, 64.9250, 13.3707

Details

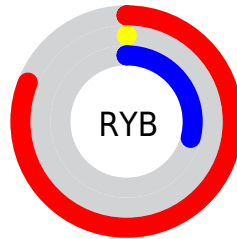
The XYZ color **27.0021, 13.7734, 7.8920** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.4810, 46.2927, 29.3848**, and the grayscale version is **5.8841, 6.1905, 6.7415**.

A 20% lighter version of the original color is **48.2233, 29.5065, 21.8926**, and **11.7623, 6.0336, 1.9112** is the 20% darker color. If you saturate the color by 10%, you get **27.0010, 13.7729, 7.8870**, and if you desaturate by 10%, it is **27.7653, 14.5002, 10.6121**.

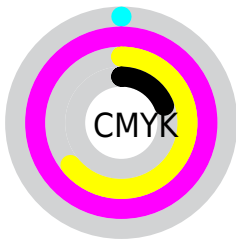
Distribution



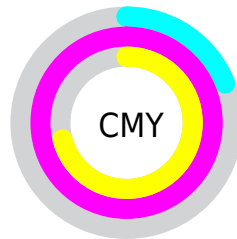
- Red (81%)
- Green (0%)
- Blue (29%)



- Red (81%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0021, 13.7734, 7.8920 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 27.0021, 13.7734, 7.8920 by changing the saturation by 10% instead.

 27.0021, 13.7734,
7.8920


 27.0021, 13.7734,
7.8920


279.8346,
215.8165, 184.7853


 17.7114, 7.9632,
3.9391


 54.3071, 32.6864,
22.2891


 10.8414, 4.0714,
1.5920


 73.0521, 46.5581,
33.5704

 6.0268, 1.7136,
0.2851


 95.6793, 63.8856,
48.1317

 2.9022, 0.4324,
0.0000

 122.5539, 85.0536,
66.3914

 1.1023, 0.0000,
0.0000

 154.0414,
110.4462, 88.7680

 0.0270, 0.0000,
0.0000

 190.5071,

 0.0000, 0.0000,

140.4480, 115.6802

0.0000

232.3164,
175.4433, 147.5465

■ 27.0021, 13.7734,
7.8920

■ 27.0021, 13.7734,
7.8920

■ 27.0010, 13.7729,
7.8870

■ 27.7653, 14.5002,
10.6121

■ 28.9092, 15.8296,
13.9481

■ 30.5344, 17.9550,
17.9581

■ 32.6971, 20.9814,
22.6835

■ 35.4452, 24.9977,
28.1616

■ 38.8209, 30.0820,
34.4268

■ 42.8625, 36.3043,
41.5110

■ 47.6051, 43.7289,
49.4444

■ 53.0811, 52.4150,
58.2551

Harmonies

Analogous

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



27.1273, 13.7734, 24.2868



27.0021, 13.7734, 7.8920



22.4996, 13.7734, 1.7860

Triad

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



27.0021, 13.7734, 7.8920



6.6225, 13.7734, 1.9361



10.5391, 13.7734, 72.0337

Complementary

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



27.0021, 13.7734, 7.8920



26.4810, 46.2927, 29.3848

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.



6.7572, 13.7734, 51.4294



27.0021, 13.7734, 7.8920



4.9909, 13.7734, 8.4416

Square

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



27.0021, 13.7734, 7.8920



10.2920, 13.7734, 0.3652



5.0315, 13.7734, 25.4413



16.3568, 13.7734, 71.4067

Rectangle

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



27.0021, 13.7734, 7.8920



18.2158, 13.7734, 0.6238



5.0315, 13.7734, 25.4413



9.0310, 13.7734, 66.9441

Sweetspot

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



27.0024, 13.7743, 7.8922



68.4259, 57.7664, 66.0683



20.6409, 9.3404, 59.7460



14.0295, 11.4110, 13.0740



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.



27.0024, 13.7743, 7.8922



43.1874, 22.0390, 12.1851



26.1389, 14.0788, 1.3411



11.9832, 11.8780, 13.1871



17.0535, 8.6942, 5.1880



0.9911, 0.5012, 0.4882

Inverse Universe

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



27.0024, 13.7743, 7.8922



43.1874, 22.0390, 12.1851



27.4644, 36.9081, 64.7075



11.9832, 11.8780, 13.1871



17.0535, 8.6942, 5.1880



0.9911, 0.5012, 0.4882

Previews

White Background



This preview shows how the XYZ color 27.0021, 13.7734, 7.8920 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

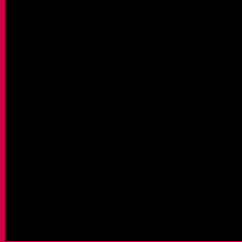
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0021, 13.7734, 7.8920

Background



This preview shows how black text looks on a background with the XYZ color 27.0021, 13.7734, 7.8920.



This preview shows how white text looks on a background with the XYZ color 27.0021, 13.7734,

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

27.0021, 13.7734, 7.8920

Protanopia

13.9295, 14.3547, 16.7884

Deuteranopia

14.5391, 14.2899, 7.1462



Tritanopia

26.1157, 14.1295, 2.3877

Trichromacy



Original Color

27.0021, 13.7734, 7.8920

Protanomaly

15.4925, 10.7170, 12.5613

Deuteranomaly

16.8122, 11.2646, 6.9184

Tritanomaly

26.1411, 13.7694, 3.6628

Monochromacy



Original Color

27.0021, 13.7734, 7.8920

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.8538, 6.3377, 6.8348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0021, 13.7734, 7.8920 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(207, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 75)  
}
```

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(207, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 27.0021, 13.7734, 7.8920 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(207, 0, 75) }
```


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

```
.border{ border-color:rgb(207, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.0021, 13.7734, 7.8920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 75) }
```

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

```
.background{ background-color: rgb(207, 0,  
75) }
```

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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