

Converting Colors

XYZ(16.8331, 8.4169, 0.7548)

Have a look what the booklet for
XYZ(16.8331, 8.4169, 0.7548)
contains.

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Color

**XYZ(17.0187, 8.7728,
0.8251)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0001
RGB	172, 0, 1
RGB Percent	67%, 0%, 0%
CMY	0.3255, 0.9999, 0.9961
CMYK	0.00, 1.00, 0.99, 0.33
HSL	360°, 100%, 34%
HSV	360°, 100%, 67%
XYZ	17.0187, 8.7728, 0.8251
YIQ	51.5420, 102.1910, 36.7750

Conversions

Conversions Part 2

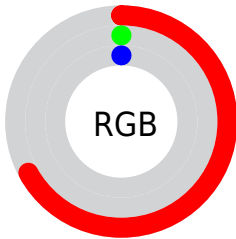
Format	Color
R_{YB}	172, 0, 1
Decimal	11272193
CIE Lab	35.54, 59.65, 49.48
CIE LCh	36, 77.499, 39.677
Yxy	8.7728, 0.6394, 0.3296
Android (android.graphics.Color)	4289462273 (0xFFAC0001)
YUV	51.5420, -24.9172, 105.6417
Hunter-Lab	29.6189, 50.7310, 19.0816

Details

The XYZ color **17.0187, 8.7728, 0.8251** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.1058, 32.4462, 43.6381**, and the grayscale version is **3.2316, 3.3999, 3.7025**.

A 20% lighter version of the original color is **37.8003, 23.3624, 5.4228**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **17.0184, 8.7727, 0.8243**, and if you desaturate by 10%, it is **17.3271, 9.2226, 1.4437**.

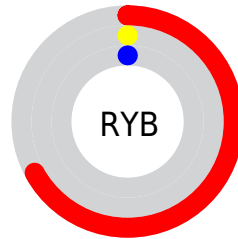
Distribution



Red (67%)

Green (0%)

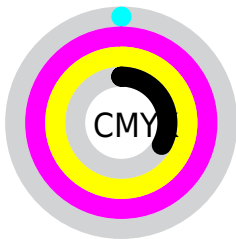
Blue (0%)



Red (67%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0187, 8.7728, 0.8251 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 17.0187, 8.7728, 0.8251 by changing the saturation by 10% instead.


 17.0187, 8.7728,
0.8251


 17.0187, 8.7728,
0.8251


 228.4343,
181.6738, 100.2382


 10.3432, 4.5933,
0.0000


 37.9013, 23.4601,
5.4864


 5.6911, 2.0107,
0.0000

 52.8391, 34.7367,
10.2943


 2.6970, 0.6137,
0.0000

 71.2617, 49.1477,
17.3141

 0.9957, 0.0000,
0.0000

 93.5344, 67.0776,
26.9641


 0.0000, 0.0000,
0.0000


 120.0227, 88.9108,
39.6630


 151.0919,


115.0316, 55.8293


 187.1073,
145.8245, 75.8815


 17.0187, 8.7728,
0.8251


 17.0187, 8.7728,
0.8251


 17.0184, 8.7727,
0.8243

 17.3271, 9.2226,
1.4437

 17.9039, 10.0618,
2.6048

 18.8514, 11.4442,
4.5009

 20.2176, 13.4404,
7.2262

 22.0436, 16.1107,
10.8610

■ 24.3652, 19.5080,
15.4762

■ 27.2151, 23.6801,
21.1354

■ 30.6227, 28.6705,
27.8972

■ 34.6157, 34.5197,
35.8156

Harmonies

Analogous

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



20.2369, 8.7728, 5.9371



17.0187, 8.7728, 0.8251



11.7509, 8.7728, 0.0000

Triad

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



17.0187, 8.7728, 0.8251



2.5404, 8.7728, 3.2360



9.8927, 8.7728, 61.4329

Complementary

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



17.0187, 8.7728, 0.8251



22.1058, 32.4462, 43.6381

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.



5.6600, 8.7728, 57.3752



17.0187, 8.7728, 0.8251



2.3554, 8.7728, 14.3985

Square

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



17.0187, 8.7728, 0.8251



3.9158, 8.7728, 0.1142



3.2641, 8.7728, 36.0395



15.2422, 8.7728, 44.5842

Rectangle

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



17.0187, 8.7728, 0.8251



8.3876, 8.7728, 0.0000



3.2641, 8.7728, 36.0395



8.2891, 8.7728, 62.6694

Sweetspot

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



17.0189, 8.7734, 0.8252



49.0604, 42.5024, 37.7233



23.8374, 11.4289, 39.9790



10.1834, 8.5362, 7.2481



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.0189, 8.7734, 0.8252



30.8716, 15.9141, 1.4811



20.1178, 14.9797, 1.8318



8.0070, 8.0161, 8.3478



12.6653, 6.5287, 0.6171



0.3529, 0.1819, 0.0202

Inverse Universe

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



17.0189, 8.7734, 0.8252



30.8716, 15.9141, 1.4811



11.0090, 10.1035, 40.3993



8.0070, 8.0161, 8.3478



12.6653, 6.5287, 0.6171



0.3529, 0.1819, 0.0202

Previews

White Background



This preview shows how the XYZ color 17.0187, 8.7728, 0.8251 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.0187, 8.7728, 0.8251

Background



This preview shows how black text looks on a background with the XYZ color 17.0187, 8.7728, 0.8251.



This preview shows how white text looks on a background with the XYZ color 17.0187, 8.7728,

0.8251.

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

17.0187, 8.7728, 0.8251

Protanopia

8.4828, 9.4157, 2.1294

Deuteranopia

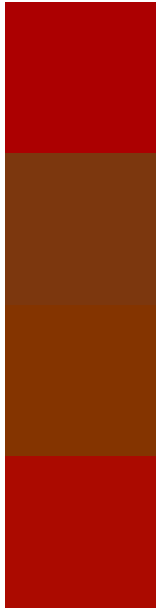
9.3240, 9.2858, 1.3009



Tritanopia

16.9799, 9.0285, 0.8477

Trichromacy



Original Color

17.0187, 8.7728, 0.8251

Protanomaly

9.7576, 7.0492, 1.2618

Deuteranomaly

10.7437, 7.3615, 0.8547

Tritanomaly

16.9031, 8.8750, 0.8222

Monochromacy



Original Color

17.0187, 8.7728, 0.8251

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.6422, 3.6843, 1.8526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0187, 8.7728, 0.8251 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(172, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 1)  
}
```

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(172, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 17.0187, 8.7728, 0.8251 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(172, 0, 1) }
```


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

```
.border{ border-color:rgb(172, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(172, 0, 1); box-shadow:4px  
4px 4px 4px rgb(172, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0187, 8.7728, 0.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 1) }
```

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

```
.background{ background-color: rgb(172, 0,  
1) }
```

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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