

Converting Colors

XYZ(17.4600, 8.0514, 2.1982)

Have a look what the booklet for
XYZ(17.4600, 8.0514, 2.1982)
contains.

XYZ(17.9826, 9.2353, 2.4249)	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(17.9826, 9.2353,
2.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0023
RGB	175, 0, 35
RGB Percent	69%, 0%, 14%
CMY	0.3137, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.80, 0.31
HSL	348°, 100%, 34%
HSV	348°, 100%, 69%
XYZ	17.9826, 9.2353, 2.4249
YIQ	56.3150, 93.0650, 47.9850

Conversions

Conversions Part 2

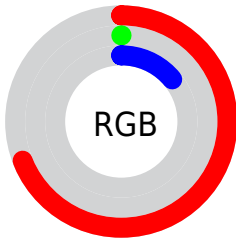
Format	Color
R_{YB}	175, 0, 35
Decimal	11468835
CIE _{Lab}	36.43, 61.03, 34.13
CIE _{LCh}	36, 69.929, 29.216
Yxy	9.2353, 0.6066, 0.3116
Android (android.graphics.Color)	4289658915 (0xFFAF0023)
YUV	56.3150, -10.5083, 104.0867
Hunter-Lab	30.3896, 52.4428, 16.5418

Details

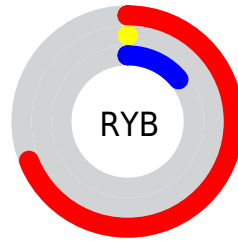
The XYZ color **17.9826, 9.2353, 2.4249** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.0660, 32.5543, 30.0478**, and the grayscale version is **3.8063, 4.0045, 4.3609**.

A 20% lighter version of the original color is **39.5038, 24.3483, 10.2070**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **17.9822, 9.2351, 2.4231**, and if you desaturate by 10%, it is **18.4423, 9.7532, 3.8165**.

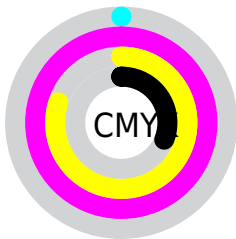
Distribution



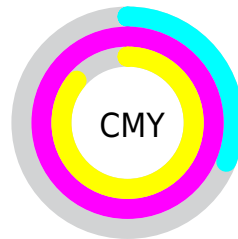
- Red (69%)
- Green (0%)
- Blue (14%)



- Red (69%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9826, 9.2353, 2.4249 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 17.9826, 9.2353, 2.4249 by changing the saturation by 10% instead.


 17.9826, 9.2353,
2.4249


 17.9826, 9.2353,
2.4249


233.8204,
185.1236, 128.6603


 11.0371, 4.8950,
0.8000


 39.5380, 24.3469,
10.1729


 6.1593, 2.1858,
0.0000


 54.8786, 35.8869,
17.1422


 2.9838, 0.7122,
0.0000

 73.7483, 50.5957,
26.7331

 1.1452, 0.0000,
0.0000

 96.5124, 68.8575,
39.3641


 0.0624, 0.0000,
0.0000


 123.5363, 91.0568,
55.4538


 0.0000, 0.0000,
0.0000


 155.1854,


117.5780, 75.4207


 191.8250,
148.8055, 99.6834


 17.9826, 9.2353,
2.4249


 17.9826, 9.2353,
2.4249


 17.9822, 9.2351,
2.4231

 18.4423, 9.7532,
3.8165

 19.1783, 10.6766,
5.7533

 20.2706, 12.1533,
8.2999

 21.7598, 14.2533,
11.5039

 23.6806, 17.0363,
15.4079

■ 26.0642, 20.5551,
20.0508

■ 28.9384, 24.8570,
25.4687

■ 32.3292, 29.9855,
31.6950

■ 36.2605, 35.9809,
38.7615

Harmonies

Analogous

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



19.7056, 9.2353, 10.3783



17.9826, 9.2353, 2.4249



13.6432, 9.2353, 0.1916

Triad

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



17.9826, 9.2353, 2.4249



3.4738, 9.2353, 2.2169



8.6669, 9.2353, 56.0886

Complementary

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



17.9826, 9.2353, 2.4249



20.0660, 32.5543, 30.0478

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.



5.2333, 9.2353, 46.3764



17.9826, 9.2353, 2.4249



2.8913, 9.2353, 9.7398

Square

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



17.9826, 9.2353, 2.4249



5.3712, 9.2353, 0.1247



3.4140, 9.2353, 26.2874



13.3858, 9.2353, 47.2665

Rectangle

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



17.9826, 9.2353, 2.4249



10.3924, 9.2353, 0.0000



3.4140, 9.2353, 26.2874



7.3399, 9.2353, 54.8092

Sweetspot

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



17.9828, 9.2359, 2.4250



51.5297, 44.0694, 45.0588



18.5543, 8.6717, 41.2531



10.9604, 9.0556, 9.0925



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.9828, 9.2359, 2.4250



32.1434, 16.5150, 4.0127



18.9306, 11.6166, 1.2453



8.0683, 8.0406, 8.6703



12.8959, 6.6209, 1.8313



0.3773, 0.1916, 0.1488

Inverse Universe

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



17.9828, 9.2359, 2.4250



32.1434, 16.5150, 4.0127



14.7603, 17.1395, 43.0876



8.0683, 8.0406, 8.6703



12.8959, 6.6209, 1.8313



0.3773, 0.1916, 0.1488

Previews

White Background



This preview shows how the XYZ color 17.9826, 9.2353, 2.4249 looks on a white background.

Color Contrast Check

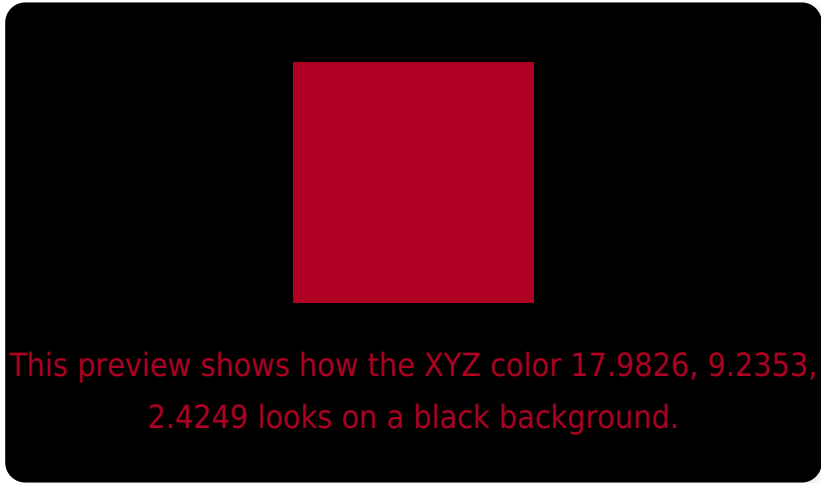
Large Text (above 18pt) WCAG AA ✓ Pass

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

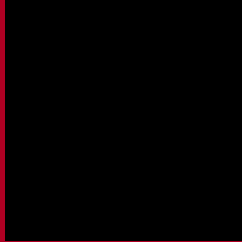
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9826, 9.2353, 2.4249

Background



This preview shows how black text looks on a background with the XYZ color 17.9826, 9.2353, 2.4249.



This preview shows how white text looks on a background with the XYZ color 17.9826, 9.2353,

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

17.9826, 9.2353, 2.4249

Protanopia

9.1680, 9.9525, 4.9278

Deuteranopia

9.8707, 9.7781, 2.1262



Tritanopia

17.8500, 9.4556, 0.8843

Trichromacy



Original Color

17.9826, 9.2353, 2.4249

Protanomaly

10.4337, 7.4915, 3.5854

Deuteranomaly

11.3024, 7.6937, 1.9262

Tritanomaly

17.8604, 9.3601, 1.2461

Monochromacy



Original Color

17.9826, 9.2353, 2.4249

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3100, 4.1278, 3.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9826, 9.2353, 2.4249 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(175, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 35)  
}
```

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(175, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 17.9826, 9.2353, 2.4249 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(175, 0, 35) }
```


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

```
.border{ border-color:rgb(175, 0, 35) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(175, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9826, 9.2353, 2.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 35) }
```

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

```
.background{ background-color: rgb(175, 0,  
35) }
```

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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