

Converting Colors

XYZ(27.1725, 27.6835, 5.2778)

Have a look what the booklet for
XYZ(27.1725, 27.6835, 5.2778)
contains.

XYZ(27.1725, 27.6835, 5.2778)	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(27.1725, 27.6835,
5.2778)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8B20
RGB	175, 139, 32
RGB Percent	69%, 55%, 13%
CMY	0.3137, 0.4549, 0.8745
CMYK	0.00, 0.21, 0.82, 0.31
HSL	45°, 69%, 41%
HSV	45°, 82%, 69%
XYZ	27.1725, 27.6835, 5.2778
YIQ	137.5660, 55.8030, -25.6450

Conversions

Conversions Part 2

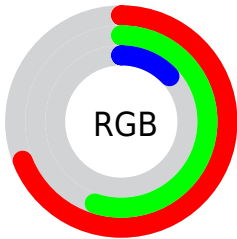
Format	Color
R_{YB}	80, 175, 32
Decimal	11504416
CIE Lab	59.60, 3.51, 57.43
CIE LCh	60, 57.533, 86.499
Yxy	27.6835, 0.4519, 0.4604
Android (android.graphics.Color)	4289694496 (0xFFAF8B20)
YUV	137.5660, -52.0440, 32.8296
Hunter-Lab	52.6151, 0.1079, 30.8832

Details

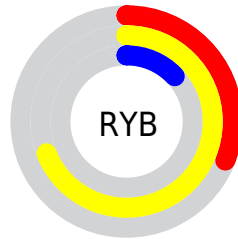
The XYZ color **27.1725, 27.6835, 5.2778** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.4006, 7.5363, 41.4635**, and the grayscale version is **24.1698, 25.4285, 27.6917**.

A 20% lighter version of the original color is **54.5016, 55.8798, 16.9302**, and **11.0436, 10.9963, 1.5404** is the 20% darker color. If you saturate the color by 10%, you get **26.3700, 26.3635, 4.1324**, and if you desaturate by 10%, it is **28.1282, 29.1082, 7.0978**.

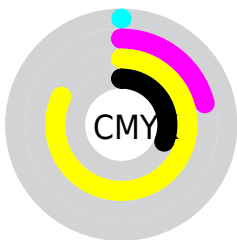
Distribution



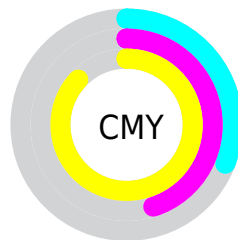
- Red (69%)
- Green (55%)
- Blue (13%)



- Red (31%)
- Yellow (69%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (82%)
- Black (31%)



- Cyan (31%)
- Magenta (45%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1725, 27.6835, 5.2778 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 27.1725, 27.6835, 5.2778 by changing the saturation by 10% instead.

■ 27.1725, 27.6835,
5.2778

■ 27.1725, 27.6835,
5.2778

280.6437,
290.9515, 161.5163

■ 17.8401, 18.0872,
2.3496

■ 54.5785, 55.9787,
16.8634

■ 10.9342, 11.0126,
0.7588

■ 73.3828, 75.4465,
26.3579

■ 6.0896, 6.0753,
0.0000

■ 96.0750, 98.9735,
38.8782

■ 2.9408, 2.8909,
0.0000

■ 123.0206,
126.9442, 54.8429

■ 1.1225, 1.0751,
0.0000

■ 154.5850,
159.7429, 74.6705

■ 0.0438, 0.0000,
0.0000

■ 191.1333,

■ 0.0000, 0.0000,

197.7541, 98.7796

0.0000

233.0311,
241.3622, 127.5887

■ 27.1725, 27.6835,
5.2778

■ 27.1725, 27.6835,
5.2778

■ 26.3700, 26.3635,
4.1324

■ 28.1282, 29.1082,
7.0978

■ 25.7885, 25.3328,
3.5305

■ 29.2532, 30.6410,
9.6833

■ 30.5631, 32.2899,
13.1131

■ 32.0711, 34.0605,
17.4554

■ 33.7893, 35.9582,
22.7716

■ 35.7284, 37.9876,
29.1176

■ 37.8986, 40.1533,
36.5452

■ 40.3092, 42.4595,
45.1026

■ 42.9692, 44.9101,
54.8350

Harmonies

Analogous

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



34.7784, 27.6835, 7.6070



27.1725, 27.6835, 5.2778



20.5710, 27.6835, 6.6747

Triad

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



27.1725, 27.6835, 5.2778



15.7069, 27.6835, 51.6887



39.7285, 27.6835, 57.9751

Complementary

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



27.1725, 27.6835, 5.2778



10.4006, 7.5363, 41.4635

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.



33.0333, 27.6835, 81.8296



27.1725, 27.6835, 5.2778



19.3454, 27.6835, 77.1780

Square

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



27.1725, 27.6835, 5.2778



14.7092, 27.6835, 27.7706



25.4705, 27.6835, 90.1095



42.8181, 27.6835, 32.6460

Rectangle

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



27.1725, 27.6835, 5.2778



17.4426, 27.6835, 10.1702



25.4705, 27.6835, 90.1095



37.7712, 27.6835, 66.8102

Sweetspot

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



27.1731, 27.6849, 5.2783



62.6495, 66.6548, 47.6994



19.3054, 10.5910, 6.8437



13.6602, 14.5374, 9.7386



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.



27.1731, 27.6849, 5.2783



46.2440, 45.4455, 6.4649



26.6832, 36.4824, 7.0023



8.4894, 8.9836, 8.4999



18.5189, 18.2434, 2.5453



0.5553, 0.5879, 0.0842

Inverse Universe

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



10.4006, 7.5363, 41.4635



15.5585, 8.8594, 73.5269



10.4589, 5.2648, 41.0220



7.7366, 8.0727, 10.1031



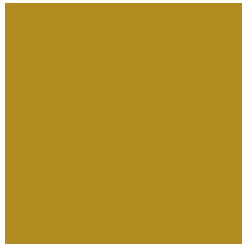
6.2303, 3.5945, 29.4099



0.2169, 0.1871, 0.8327

Previews

White Background



This preview shows how the XYZ color 27.1725, 27.6835, 5.2778 looks on a white 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

Black Background



This preview shows how the XYZ color 27.1725, 27.6835, 5.2778 looks on a black 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

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

XYZ 27.1725, 27.6835, 5.2778

Background



This preview shows how black text looks on a background with the XYZ color 27.1725, 27.6835, 5.2778.



This preview shows how white text looks on a background with the XYZ color 27.1725, 27.6835,

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

27.1725, 27.6835, 5.2778

Protanopia

25.1481, 27.7377, 5.4673

Deuteranopia

28.1347, 27.5419, 5.2721



Tritanopia

31.9342, 27.7744, 28.1040

Trichromacy



Original Color

27.1725, 27.6835, 5.2778

Protanomaly

25.8839, 27.6713, 5.4157

Deuteranomaly

27.8106, 27.5848, 5.2975

Tritanomaly

29.2782, 27.2789, 15.7788

Monochromacy



Original Color

27.1725, 27.6835, 5.2778

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.1031, 25.6571, 15.4863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1725, 27.6835, 5.2778 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, 139, 32)` looks like.

```
.text, #text, p{  
    color:rgb(175, 139, 32)  
}
```

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, 139, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 139, 32) }
```

Border

The CSS property to change the border of an element to XYZ 27.1725, 27.6835, 5.2778 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, 139, 32) }
```


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

```
.border{ border-color:rgb(175, 139, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 139, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 139, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 139, 32);  
box-shadow:4px 4px 4px 4px rgb(175, 139,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1725, 27.6835, 5.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 139, 32) }
```

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

```
.background{ background-color: rgb(175,  
139, 32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor