

Converting Colors

XYZ(18.1717, 22.0021, 4.3143)

Have a look what the booklet for
XYZ(18.1717, 22.0021, 4.3143)
contains.

XYZ(18.2386, 22.0349, 4.3288)	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(18.2386, 22.0349,
4.3288)**

Conversions

Conversions Part 1

Format	Color
Hex	84861B
RGB	132, 134, 27
RGB Percent	52%, 53%, 11%
CMY	0.4824, 0.4745, 0.8941
CMYK	0.01, 0.00, 0.80, 0.47
HSL	61°, 66%, 32%
HSV	61°, 80%, 53%
XYZ	18.2386, 22.0349, 4.3288
YIQ	121.2040, 33.1550, -33.7010

Conversions

Conversions Part 2

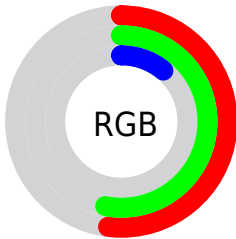
Format	Color
R_{YB}	27, 134, 29
Decimal	8685083
CIE _{Lab}	54.06, -13.61, 52.54
CIE _{LCh}	54, 54.273, 104.518
Yxy	22.0349, 0.4089, 0.4940
Android (android.graphics.Color)	4286875163 (0xFF84861B)
YUV	121.2040, -46.4426, 9.4681
Hunter-Lab	46.9413, -12.7929, 27.3914

Details

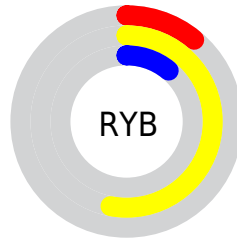
The XYZ color **18.2386, 22.0349, 4.3288** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2024, 2.7668, 22.8156**, and the grayscale version is **18.3787, 19.3359, 21.0568**.

A 20% lighter version of the original color is **39.9946, 46.8261, 14.7150**, and **6.4729, 8.1593, 1.2337** is the 20% darker color. If you saturate the color by 10%, you get **18.0786, 21.9672, 3.6888**, and if you desaturate by 10%, it is **18.4705, 22.1330, 5.3424**.

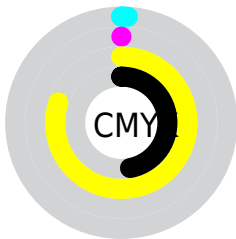
Distribution



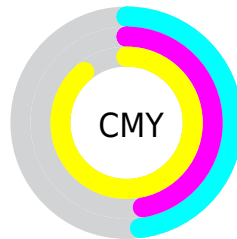
- Red (52%)
- Green (53%)
- Blue (11%)



- Red (11%)
- Yellow (53%)
- Blue (11%)



- Cyan (1%)
- Magenta (0%)
- Yellow (80%)
- Black (47%)



- Cyan (48%)
- Magenta (47%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2386, 22.0349, 4.3288 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 18.2386, 22.0349, 4.3288 by changing the saturation by 10% instead.

■ 18.2386, 22.0349,
4.3288

■ 18.2386, 22.0349,
4.3288

235.2322,
262.7285, 151.8127

■ 11.2222, 13.8825,
1.8074

■ 39.9704, 46.8037,
14.7612

■ 6.2849, 8.0390,
0.4328

■ 55.4164, 64.1889,
23.5094

■ 3.0614, 4.1199,
0.0000

■ 74.4030, 85.4205,
35.1701

■ 1.1863, 1.7409,
0.0000

■ 97.2956, 110.8829,
50.1621

■ 0.0955, 0.4499,
0.0000

■ 124.4594,
140.9605, 68.9038

■ 0.0000, 0.0000,
0.0000

■ 156.2599,

176.0377, 91.8138

193.0623,
216.4989, 119.3106

18.2386, 22.0349,
4.3288

18.2386, 22.0349,
4.3288

18.0786, 21.9672,
3.6888

18.4705, 22.1330,
5.3424

17.9640, 21.9168,
3.2894

18.7813, 22.2619,
6.7732

17.9623, 21.9161,
3.2835

19.1788, 22.4255,
8.6604

19.6695, 22.6263,
11.0380

20.2595, 22.8669,
13.9372

■ 20.9539, 23.1493,
17.3864

■ 21.7578, 23.4754,
21.4118

■ 22.6760, 23.8473,
26.0382

■ 23.7129, 24.2667,
31.2889

Harmonies

Analogous

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



24.1046, 22.0349, 4.3739



18.2386, 22.0349, 4.3288



13.9824, 22.0349, 7.5322

Triad

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



18.2386, 22.0349, 4.3288



13.8800, 22.0349, 54.5571



33.8186, 22.0349, 33.7012

Complementary

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



18.2386, 22.0349, 4.3288



5.2024, 2.7668, 22.8156

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.



29.8997, 22.0349, 55.2256



18.2386, 22.0349, 4.3288



18.0717, 22.0349, 70.5974

Square

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



18.2386, 22.0349, 4.3288



11.8040, 22.0349, 33.0459



23.9035, 22.0349, 70.8871



33.8863, 22.0349, 16.7646

Rectangle

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



18.2386, 22.0349, 4.3288



12.3147, 22.0349, 12.5955



23.9035, 22.0349, 70.8871



32.8795, 22.0349, 40.7675

Sweetspot

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



18.2391, 22.0359, 4.3293



36.3202, 40.5418, 27.6635



10.4642, 6.0162, 1.6469



8.1002, 9.1002, 5.8235



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.2391, 22.0359, 4.3293



31.6967, 38.6333, 5.9856



11.9248, 18.7808, 4.0337



5.0313, 5.4187, 5.0101



16.8333, 20.5378, 3.0770



0.0590, 0.0715, 0.0107

Inverse Universe

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



5.2024, 2.7668, 22.8156



7.7828, 3.2481, 39.9551



8.2002, 4.3122, 22.9559



4.4419, 4.5484, 5.8446



4.0631, 1.6288, 21.2369



0.0146, 0.0059, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.2386, 22.0349, 4.3288 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 18.2386, 22.0349, 4.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

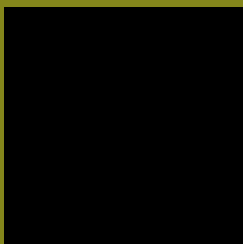
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2386, 22.0349, 4.3288

Background



This preview shows how black text looks on a background with the XYZ color 18.2386, 22.0349, 4.3288.



This preview shows how white text looks on a background with the XYZ color 18.2386, 22.0349,

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

18.2386, 22.0349, 4.3288

Protanopia

19.8461, 22.0596, 4.1892

Deuteranopia

22.2578, 21.9571, 4.5039



Tritanopia

22.6913, 22.0792, 25.9874

Trichromacy



Original Color

18.2386, 22.0349, 4.3288

Protanomaly

19.1180, 21.8826, 4.1934

Deuteranomaly

20.5992, 21.8570, 4.4294

Tritanomaly

20.3117, 21.6861, 14.1816

Monochromacy



Original Color

18.2386, 22.0349, 4.3288

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.6386, 19.9698, 11.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2386, 22.0349, 4.3288 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(132, 134, 27)` looks like.

```
.text, #text, p{  
    color:rgb(132, 134, 27)  
}
```

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(132, 134, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 134, 27) }
```

Border

The CSS property to change the border of an element to XYZ 18.2386, 22.0349, 4.3288 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(132, 134, 27) }
```


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

```
.border{ border-color:rgb(132, 134, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 134, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 134, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 134, 27);  
box-shadow:4px 4px 4px 4px rgb(132, 134,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2386, 22.0349, 4.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 134, 27) }
```

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

```
.background{ background-color: rgb(132,  
134, 27) }
```

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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