

Converting Colors

XYZ(18.2220, 21.8267, 4.1112)

Have a look what the booklet for
XYZ(18.2220, 21.8267, 4.1112)
contains.

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Color

**XYZ(18.2253, 21.8276,
4.1167)**

Conversions

Conversions Part 1

Format	Color
Hex	858518
RGB	133, 133, 24
RGB Percent	52%, 52%, 9%
CMY	0.4784, 0.4784, 0.9059
CMYK	0.00, 0.00, 0.82, 0.48
HSL	60°, 69%, 31%
HSV	60°, 82%, 52%
XYZ	18.2253, 21.8276, 4.1167
YIQ	120.5740, 34.9890, -33.8990

Conversions

Conversions Part 2

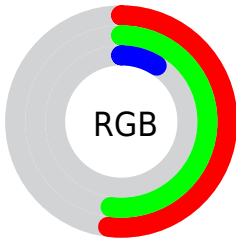
Format	Color
R _Y B	24, 133, 24
Decimal	8750360
CIE Lab	53.84, -12.73, 53.29
CIE LCh	54, 54.792, 103.429
Yxy	21.8276, 0.4126, 0.4942
Android (android.graphics.Color)	4286940440 (0xFF858518)
YUV	120.5740, -47.6110, 10.8976
Hunter-Lab	46.7200, -12.1279, 27.4797

Details

The XYZ color **18.2253, 21.8276, 4.1167** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.9375, 2.5413, 22.4220**, and the grayscale version is **18.1778, 19.1245, 20.8266**.

A 20% lighter version of the original color is **39.9565, 46.5011, 14.2668**, and **6.4786, 8.0461, 1.2116** is the 20% darker color. If you saturate the color by 10%, you get **18.1195, 21.7861, 3.5578**, and if you desaturate by 10%, it is **18.3997, 21.8982, 5.0325**.

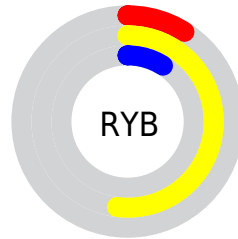
Distribution



Red (52%)

Green (52%)

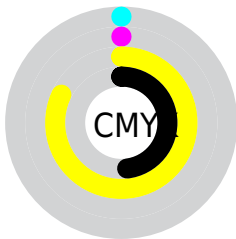
Blue (9%)



Red (9%)

Yellow (52%)

Blue (9%)

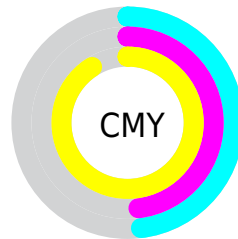


Cyan (0%)

Magenta (0%)

Yellow (82%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2253, 21.8276, 4.1167 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 18.2253, 21.8276, 4.1167 by changing the saturation by 10% instead.

■ 18.2253, 21.8276,
4.1167

■ 18.2253, 21.8276,
4.1167

235.1590,
261.6446, 149.5138

■ 11.2125, 13.7303,
1.6896

■ 39.9479, 46.4609,
14.2780

■ 6.2783, 7.9333,
0.3536

■ 55.3885, 63.7657,
22.8493

■ 3.0573, 4.0523,
0.0000

■ 74.3691, 84.9083,
34.3057

■ 1.1841, 1.7029,
0.0000

■ 97.2550, 110.2734,
49.0658

■ 0.0938, 0.4255,
0.0000

■ 124.4115,
140.2451, 67.5481

■ 0.0000, 0.0000,
0.0000

■ 156.2042,

175.2080, 90.1712

192.9982,
215.5464, 117.3536

18.2253, 21.8276,
4.1167

18.2253, 21.8276,
4.1167

18.1195, 21.7861,
3.5578

18.3997, 21.8982,
5.0325

18.0607, 21.7626,
3.2487

18.6499, 21.9983,
6.3497

18.9839, 22.1319,
8.1078

19.4081, 22.3016,
10.3411

19.9284, 22.5097,
13.0808

■ 20.5503, 22.7585,
16.3551

■ 21.2787, 23.0498,
20.1903

■ 22.1182, 23.3857,
24.6110

■ 23.0734, 23.7677,
29.6403

Harmonies

Analogous

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



24.1477, 21.8276, 4.2614



18.2253, 21.8276, 4.1167



13.8928, 21.8276, 7.1342

Triad

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



18.2253, 21.8276, 4.1167



13.5594, 21.8276, 53.7724



33.6079, 21.8276, 34.2714

Complementary

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



18.2253, 21.8276, 4.1167



4.9375, 2.5413, 22.4220

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.



29.5488, 21.8276, 55.9690



18.2253, 21.8276, 4.1167



17.6806, 21.8276, 70.3928

Square

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



18.2253, 21.8276, 4.1167



11.5639, 21.8276, 32.1252



23.4901, 21.8276, 71.3464



33.8300, 21.8276, 17.0002

Rectangle

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



18.2253, 21.8276, 4.1167



12.1748, 21.8276, 12.0083



23.4901, 21.8276, 71.3464



32.6165, 21.8276, 41.4316

Sweetspot

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



18.2258, 21.8286, 4.1171



36.3748, 40.5835, 27.0529



10.1651, 5.7063, 1.4301



8.1204, 9.1133, 5.7023



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.



18.2258, 21.8286, 4.1171



32.3601, 38.9775, 5.9174



11.7363, 18.4832, 3.8134



5.0397, 5.4230, 5.0105



17.2021, 20.7279, 3.0942



0.0596, 0.0718, 0.0107

Inverse Universe

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



4.9375, 2.5413, 22.4220



7.6627, 3.1303, 39.9387



7.7440, 3.9881, 22.5534



4.4345, 4.5446, 5.8442



4.0327, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.2253, 21.8276, 4.1167 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 18.2253, 21.8276, 4.1167 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 18.2253, 21.8276, 4.1167

Background



This preview shows how black text looks on a background with the XYZ color 18.2253, 21.8276, 4.1167.



This preview shows how white text looks on a background with the XYZ color 18.2253, 21.8276,

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

18.2253, 21.8276, 4.1167

Protanopia

19.6820, 21.7821, 3.9776

Deuteranopia

22.0942, 21.6942, 4.2512



Tritanopia

22.5966, 21.8595, 25.2186

Trichromacy



Original Color

18.2253, 21.8276, 4.1167

Protanomaly

19.1218, 21.6898, 3.9893

Deuteranomaly

20.4330, 21.5849, 4.1880

Tritanomaly

20.2126, 21.4580, 13.4324

Monochromacy



Original Color

18.2253, 21.8276, 4.1167

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4708, 19.6991, 11.6856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2253, 21.8276, 4.1167 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(133, 133, 24)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 24)  
}
```

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(133, 133, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 24) }
```

Border

The CSS property to change the border of an element to XYZ 18.2253, 21.8276, 4.1167 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(133, 133, 24) }
```


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

```
.border{ border-color:rgb(133, 133, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 24);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2253, 21.8276, 4.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 24) }
```

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

```
.background{ background-color: rgb(133,  
133, 24) }
```

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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