

Converting Colors

XYZ(18.9237, 22.4917, 4.2782)

Have a look what the booklet for
XYZ(18.9237, 22.4917, 4.2782)
contains.

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Color

**XYZ(18.8539, 22.3546,
4.2409)**

Conversions

Conversions Part 1

Format	Color
Hex	888619
RGB	136, 134, 25
RGB Percent	53%, 53%, 10%
CMY	0.4667, 0.4745, 0.9019
CMYK	0.00, 0.01, 0.82, 0.47
HSL	59°, 69%, 32%
HSV	59°, 82%, 53%
XYZ	18.8539, 22.3546, 4.2409
YIQ	122.1720, 36.1810, -33.4750

Conversions

Conversions Part 2

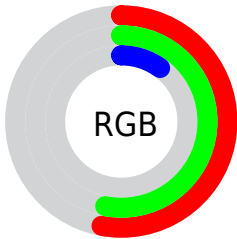
Format	Color
R_{YB}	27, 136, 25
Decimal	8947225
CIE _{Lab}	54.40, -11.85, 53.59
CIE _{LCh}	54, 54.882, 102.471
Yxy	22.3546, 0.4148, 0.4919
Android (android.graphics.Color)	4287137305 (0xFF888619)
YUV	122.1720, -47.9058, 12.1272
Hunter-Lab	47.2807, -11.5615, 27.7784

Details

The XYZ color **18.8539, 22.3546, 4.2409** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2369, 2.7682, 23.5507**, and the grayscale version is **18.6990, 19.6728, 21.4237**.

A 20% lighter version of the original color is **40.9565, 47.3263, 14.5657**, and **6.7282, 8.2908, 1.2457** is the 20% darker color. If you saturate the color by 10%, you get **18.7079, 22.2430, 3.6364**, and if you desaturate by 10%, it is **19.0724, 22.4970, 5.2225**.

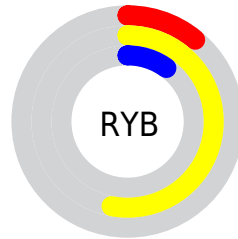
Distribution



Red (53%)

Green (53%)

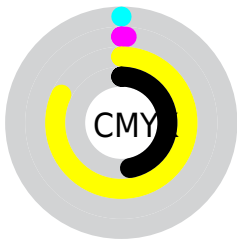
Blue (10%)



Red (11%)

Yellow (53%)

Blue (10%)

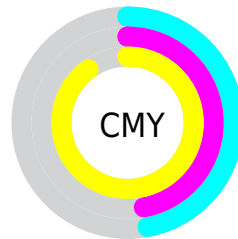


Cyan (0%)

Magenta (1%)

Yellow (82%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8539, 22.3546, 4.2409 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 18.8539, 22.3546, 4.2409 by changing the saturation by 10% instead.

■ 18.8539, 22.3546,
4.2409

■ 18.8539, 22.3546,
4.2409

238.5946,
264.3925, 150.8665

■ 11.6681, 14.1177,
1.7584

■ 41.0059, 47.3314,
14.5616

■ 6.5887, 8.2026,
0.4003

■ 56.7028, 64.8400,
23.2370

■ 3.2503, 4.2248,
0.0000

■ 75.9674, 86.2081,
34.8137

■ 1.2875, 1.8001,
0.0000

■ 99.1652, 111.8198,
49.7103

■ 0.1738, 0.4872,
0.0000

■ 126.6615,
142.0598, 68.3453

■ 0.0000, 0.0000,
0.0000

■ 158.8216,

177.3123, 91.1373

196.0108,
217.9617, 118.5049

18.8539, 22.3546,
4.2409

18.8539, 22.3546,
4.2409

18.7079, 22.2430,
3.6364

19.0724, 22.4970,
5.2225

18.6169, 22.1614,
3.2964

19.3711, 22.6707,
6.6281

19.7583, 22.8800,
8.4991

20.2408, 23.1275,
10.8720

20.8249, 23.4158,
13.7793

■ 21.5162, 23.7471,
17.2509

■ 22.3201, 24.1235,
21.3146

■ 23.2413, 24.5471,
25.9962

■ 24.2846, 25.0195,
31.3201

Harmonies

Analogous

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



24.9121, 22.3546, 4.4805



18.8539, 22.3546, 4.2409



14.3752, 22.3546, 7.2063

Triad

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



18.8539, 22.3546, 4.2409



13.8279, 22.3546, 54.1316



34.2450, 22.3546, 35.7001

Complementary

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



18.8539, 22.3546, 4.2409



5.2369, 2.7682, 23.5507

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.



30.0206, 22.3546, 57.7185



18.8539, 22.3546, 4.2409



17.9609, 22.3546, 71.3475

Square

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



18.8539, 22.3546, 4.2409



11.8619, 22.3546, 32.1887



23.8353, 22.3546, 72.9033



34.6083, 22.3546, 17.8843

Rectangle

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



18.8539, 22.3546, 4.2409



12.5764, 22.3546, 12.0473



23.8353, 22.3546, 72.9033



33.1975, 22.3546, 43.0114

Sweetspot

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



18.8544, 22.3556, 4.2414



37.5440, 41.6720, 28.5174



10.7192, 6.0170, 1.7398



8.6058, 9.6082, 6.1576



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8544, 22.3556, 4.2414



32.8272, 39.0615, 5.9105



12.6539, 19.5726, 4.0310



5.4235, 5.8298, 5.3918



17.6212, 20.9768, 3.1202



0.1182, 0.1416, 0.0211

Inverse Universe

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



5.2369, 2.7682, 23.5507



7.9474, 3.2990, 41.2663



7.8363, 4.0426, 23.6597



4.7814, 4.9057, 6.3007



4.2319, 1.7342, 22.1574



0.0289, 0.0132, 0.1475

Previews

White Background



This preview shows how the XYZ color 18.8539, 22.3546, 4.2409 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 18.8539, 22.3546, 4.2409 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 18.8539, 22.3546, 4.2409

Background



This preview shows how black text looks on a background with the XYZ color 18.8539, 22.3546, 4.2409.



This preview shows how white text looks on a background with the XYZ color 18.8539, 22.3546,

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

18.8539, 22.3546, 4.2409

Protanopia

20.1801, 22.2343, 4.0922

Deuteranopia

22.6401, 22.1574, 4.3799



Tritanopia

23.3838, 22.4362, 26.0198

Trichromacy



Original Color

18.8539, 22.3546, 4.2409

Protanomaly

19.6089, 22.1382, 4.1038

Deuteranomaly

21.1376, 22.1375, 4.3213

Tritanomaly

20.9401, 22.0153, 13.9722

Monochromacy



Original Color

18.8539, 22.3546, 4.2409

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9336, 20.1219, 11.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8539, 22.3546, 4.2409 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(136, 134, 25)` looks like.

```
.text, #text, p{  
    color:rgb(136, 134, 25)  
}
```

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(136, 134, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 134, 25) }
```

Border

The CSS property to change the border of an element to XYZ 18.8539, 22.3546, 4.2409 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(136, 134, 25) }
```


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

```
.border{ border-color:rgb(136, 134, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 134, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 134, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 134, 25);  
box-shadow:4px 4px 4px 4px rgb(136, 134,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8539, 22.3546, 4.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 134, 25) }
```

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

```
.background{ background-color: rgb(136,  
134, 25) }
```

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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