

Converting Colors

XYZ(18.7936, 21.8794, 9.5455)

Have a look what the booklet for
XYZ(18.7936, 21.8794, 9.5455)
contains.

XYZ(18.8139, 21.8089, 9.5213)	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(18.8139, 21.8089,
9.5213)**

Conversions

Conversions Part 1

Format	Color
Hex	838449
RGB	131, 132, 73
RGB Percent	51%, 52%, 29%
CMY	0.4863, 0.4823, 0.7137
CMYK	0.01, 0.00, 0.45, 0.48
HSL	61°, 29%, 40%
HSV	61°, 45%, 52%
XYZ	18.8139, 21.8089, 9.5213
YIQ	124.9750, 18.3430, -18.5610

Conversions

Conversions Part 2

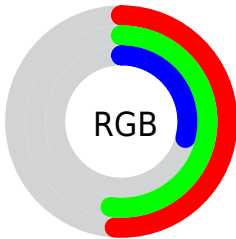
Format	Color
RYB	73, 132, 74
Decimal	8619081
CIELab	53.82, -9.57, 31.61
CIELCh	54, 33.030, 106.839
Yxy	21.8089, 0.3752, 0.4349
Android (android.graphics.Color)	4286809161 (0xFF838449)
YUV	124.9750, -25.6237, 5.2839
Hunter-Lab	46.7000, -9.8132, 20.6018

Details

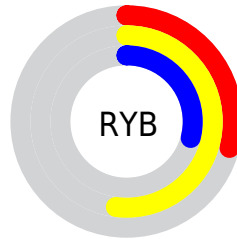
The XYZ color **18.8139, 21.8089, 9.5213** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.3723, 7.8875, 22.8597**, and the grayscale version is **19.5643, 20.5831, 22.4150**.

A 20% lighter version of the original color is **40.9317, 46.4423, 25.5458**, and **6.5880, 7.9666, 2.1678** is the 20% darker color. If you saturate the color by 10%, you get **18.3874, 21.6351, 7.4544**, and if you desaturate by 10%, it is **19.3345, 22.0219, 12.0785**.

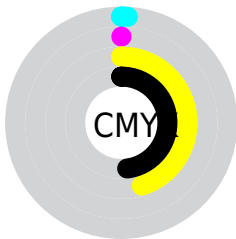
Distribution



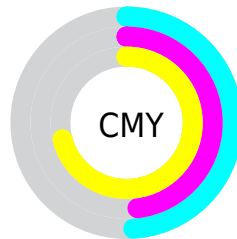
- Red (51%)
- Green (52%)
- Blue (29%)



- Red (29%)
- Yellow (52%)
- Blue (29%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8139, 21.8089, 9.5213 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 18.8139, 21.8089, 9.5213 by changing the saturation by 10% instead.

■ 18.8139, 21.8089,
9.5213

■ 18.8139, 21.8089,
9.5213

238.3773,
261.5467, 197.5796

■ 11.6391, 13.7165,
4.9813

■ 40.9387, 46.4299,
25.4847

■ 6.5689, 7.9238,
2.1778

■ 56.6194, 63.7274,
37.7452

■ 3.2379, 4.0462,
0.6615

■ 75.8661, 84.8621,
53.4163

■ 1.2808, 1.6995,
0.0000

■ 99.0442, 110.2183,
72.9166

■ 0.1688, 0.4233,
0.0000

■ 126.5190,
140.1805, 96.6645

■ 0.0000, 0.0000,
0.0000

158.6559,

175.1330, 125.0786

195.8202,
215.4603, 158.5774

■ 18.8139, 21.8089,
9.5213

■ 18.8139, 21.8089,
9.5213

■ 18.3874, 21.6351,
7.4544

■ 19.3345, 22.0219,
12.0785

■ 18.0474, 21.4950,
5.8451

■ 19.9530, 22.2734,
15.1531

■ 17.7878, 21.3872,
4.6591

■ 20.6749, 22.5662,
18.7719

■ 17.6012, 21.3086,
3.8565

■ 21.5048, 22.9022,
22.9594

■ 17.4770, 21.2549,
3.3825

■ 22.4472, 23.2832,
27.7386

■ 17.4204, 21.2302,
3.1797

■ 23.5062, 23.7109,
33.1313

■ 24.6857, 24.1868,
39.1581

■ 25.9895, 24.7124,
45.8388

■ 27.4210, 25.2891,
53.1922

Harmonies

Analogous

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



22.3218, 21.8089, 9.3459



18.8139, 21.8089, 9.5213



16.1384, 21.8089, 12.7283

Triad

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



18.8139, 21.8089, 9.5213



16.4019, 21.8089, 41.0470



28.1097, 21.8089, 28.4804

Complementary

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



18.8139, 21.8089, 9.5213



9.3723, 7.8875, 22.8597

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.



26.1160, 21.8089, 39.7827



18.8139, 21.8089, 9.5213



19.2133, 21.8089, 48.3158

Square

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



18.8139, 21.8089, 9.5213



14.8587, 21.8089, 29.8701



22.7692, 21.8089, 47.7964



27.9710, 21.8089, 18.5223

Rectangle

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



18.8139, 21.8089, 9.5213



15.0659, 21.8089, 16.8583



22.7692, 21.8089, 47.7964



27.6578, 21.8089, 32.2933

Sweetspot

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



18.8144, 21.8099, 9.5218



36.6104, 39.8263, 34.0408



13.1668, 10.2825, 7.5944



8.4615, 9.2472, 7.6124



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.



18.8144, 21.8099, 9.5218



32.3532, 38.0937, 12.9669



14.8796, 19.7814, 9.3376



5.0321, 5.4191, 5.0101



16.8667, 20.5551, 3.0786



0.0591, 0.0715, 0.0107

Inverse Universe

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



9.3723, 7.8875, 22.8597



13.4249, 10.1802, 39.7106



12.1972, 9.3438, 22.9919



4.4413, 4.5481, 5.8445



4.0603, 1.6273, 21.2368



0.0145, 0.0059, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.8139, 21.8089, 9.5213 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 18.8139, 21.8089, 9.5213 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 18.8139, 21.8089, 9.5213

Background



This preview shows how black text looks on a background with the XYZ color 18.8139, 21.8089, 9.5213.



This preview shows how white text looks on a background with the XYZ color 18.8139, 21.8089,

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

18.8139, 21.8089, 9.5213

Protanopia

20.0045, 21.8311, 9.2904

Deuteranopia

22.0633, 21.7418, 9.6903



Tritanopia

22.1880, 21.8198, 25.9639

Trichromacy



Original Color

18.8139, 21.8089, 9.5213

Protanomaly

19.4689, 21.7515, 9.3032

Deuteranomaly

20.7295, 21.6192, 9.5589

Tritanomaly

20.6355, 21.7591, 18.4416

Monochromacy



Original Color

18.8139, 21.8089, 9.5213

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0731, 20.9910, 16.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8139, 21.8089, 9.5213 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(131, 132, 73)` looks like.

```
.text, #text, p{  
    color:rgb(131, 132, 73)  
}
```

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(131, 132, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.8139, 21.8089, 9.5213 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(131, 132, 73) }
```


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

```
.border{ border-color:rgb(131, 132, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 132, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 73);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8139, 21.8089, 9.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 73) }
```

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

```
.background{ background-color: rgb(131,  
132, 73) }
```

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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