

Converting Colors

XYZ(20.0273, 21.4542, 18.2366)

Have a look what the booklet for
XYZ(20.0273, 21.4542, 18.2366)
contains.

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Color

**XYZ(19.9485, 21.4113,
18.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	83806F
RGB	131, 128, 111
RGB Percent	51%, 50%, 44%
CMY	0.4863, 0.4980, 0.5647
CMYK	0.00, 0.02, 0.15, 0.49
HSL	51°, 8%, 47%
HSV	51°, 15%, 51%
XYZ	19.9485, 21.4113, 18.1203
YIQ	126.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

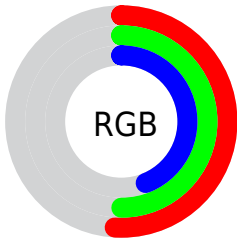
Format	Color
RYB	115, 131, 111
Decimal	8618095
CIELab	53.40, -1.98, 9.64
CIELCh	53, 9.842, 101.631
Yxy	21.4113, 0.3354, 0.3600
Android (android.graphics.Color)	4286808175 (0xFF83806F)
YUV	126.9590, -7.8678, 3.5440
Hunter-Lab	46.2723, -4.0234, 9.1726

Details

The XYZ color **19.9485, 21.4113, 18.1203** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.6696, 17.0526, 23.8859**, and the grayscale version is **20.1836, 21.2347, 23.1246**.

A 20% lighter version of the original color is **42.9019, 45.8824, 41.2454**, and **7.0865, 7.7002, 5.8154** is the 20% darker color. If you saturate the color by 10%, you get **19.0261, 20.6372, 14.5114**, and if you desaturate by 10%, it is **20.9829, 22.2395, 22.2891**.

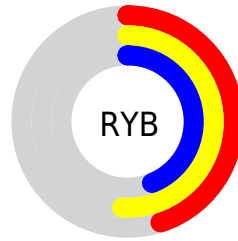
Distribution



Red (51%)

Green (50%)

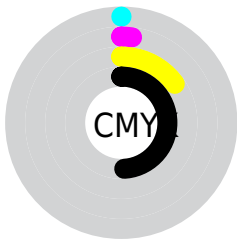
Blue (44%)



Red (45%)

Yellow (51%)

Blue (44%)

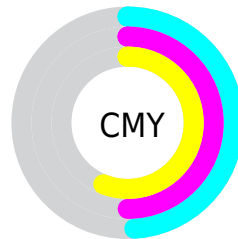


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (49%)



Cyan (49%)

Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9485, 21.4113, 18.1203 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 19.9485, 21.4113, 18.1203 by changing the saturation by 10% instead.

■ 19.9485, 21.4113,
18.1203

■ 19.9485, 21.4113,
18.1203

244.4751,
259.4563, 253.8071

■ 12.4657, 13.4250,
10.8661

■ 42.8354, 45.7711,
41.0589

■ 7.1361, 7.7218,
5.8638

■ 58.9702, 62.9133,
57.5804

■ 3.5944, 3.9175,
2.6950

■ 78.7197, 83.8763,
78.0280

■ 1.4754, 1.6275,
0.9409

■ 102.4493,
109.0444, 102.8202

■ 0.3090, 0.3760,
0.0000

130.5242,
138.8021, 132.3758

■ 0.0000, 0.0000,
0.0000

163.3099,

173.5337, 167.1130

201.1718,
213.6236, 207.4506

■ 19.9485, 21.4113,
18.1203

■ 19.9485, 21.4113,
18.1203

■ 19.0261, 20.6372,
14.5114

■ 20.9829, 22.2395,
22.2891

■ 18.2092, 19.9125,
11.4367

■ 22.1318, 23.1209,
27.0389

■ 17.4935, 19.2361,
8.8708

■ 23.3999, 24.0579,
32.3918

■ 16.8737, 18.6059,
6.7855

■ 24.7911, 25.0522,
38.3681

■ 16.3439, 18.0194,
5.1501

■ 26.3091, 26.1053,
44.9871

■ 15.8974, 17.4740,
3.9301

■ 27.9575, 27.2187,
52.2673

■ 15.5269, 16.9665,
3.0861

■ 29.7396, 28.3938,
60.2267

■ 15.2210, 16.4926,
2.5592

■ 31.6587, 29.6320,
68.8823

■ 15.0847, 16.2743,
2.3462

■ 33.7181, 30.9345,
78.2506

Harmonies

Analogous

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



20.9904, 21.4113, 18.2686



19.9485, 21.4113, 18.1203



19.0453, 21.4113, 19.2723

Triad

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



19.9485, 21.4113, 18.1203



18.8860, 21.4113, 27.3477



22.3173, 21.4113, 25.1736

Complementary

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



19.9485, 21.4113, 18.1203



16.6696, 17.0526, 23.8859

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.



21.7146, 21.4113, 27.8830



19.9485, 21.4113, 18.1203



19.7243, 21.4113, 29.2103

Square

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



19.9485, 21.4113, 18.1203



18.4460, 21.4113, 24.4924



20.7585, 21.4113, 29.4142



22.3824, 21.4113, 22.1726

Rectangle

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



19.9485, 21.4113, 18.1203



18.6340, 21.4113, 20.6852



20.7585, 21.4113, 29.4142



22.1700, 21.4113, 26.1550

Sweetspot

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



19.9491, 21.4122, 18.1208



37.6051, 39.8490, 40.0355



18.0821, 17.4094, 18.3272



8.7279, 9.2563, 9.2095



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.



19.9491, 21.4122, 18.1208



35.1827, 37.8974, 30.3091



19.2980, 21.6657, 18.2040



4.9819, 5.3073, 4.9912



14.8499, 16.0224, 2.3100



0.0554, 0.0635, 0.0093

Inverse Universe

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



16.6696, 17.0526, 23.8859



28.2485, 28.6796, 42.5000



17.2527, 16.8594, 23.8179



4.4867, 4.6490, 5.8616



4.2739, 2.0956, 21.3159



0.0181, 0.0139, 0.0750

Previews

White Background



This preview shows how the XYZ color 19.9485, 21.4113, 18.1203 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 19.9485, 21.4113, 18.1203 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

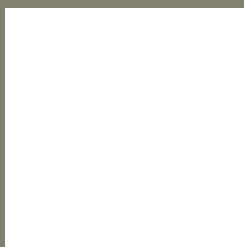
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9485, 21.4113, 18.1203

Background



This preview shows how black text looks on a background with the XYZ color 19.9485, 21.4113, 18.1203.



This preview shows how white text looks on a background with the XYZ color 19.9485, 21.4113,

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

19.9485, 21.4113, 18.1203

Protanopia

20.2901, 21.3948, 18.0991

Deuteranopia

21.6846, 21.3555, 18.3084



Tritanopia

21.4682, 21.4568, 25.5643

Trichromacy



Original Color

19.9485, 21.4113, 18.1203

Protanomaly

20.1315, 21.3130, 18.0917

Deuteranomaly

21.0735, 21.4125, 18.3516

Tritanomaly

20.8996, 21.4146, 22.7706

Monochromacy



Original Color

19.9485, 21.4113, 18.1203

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9426, 21.1484, 21.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9485, 21.4113, 18.1203 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, 128, 111)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 111)  
}
```

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, 128, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 111) }
```

Border

The CSS property to change the border of an element to XYZ 19.9485, 21.4113, 18.1203 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, 128, 111) }
```


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

```
.border{ border-color:rgb(131, 128, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 128, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 128, 111); box-shadow:4px 4px 4px 4px rgb(131, 128, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9485, 21.4113, 18.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 111) }
```

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

```
.background{ background-color: rgb(131,  
128, 111) }
```

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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