

Converting Colors

XYZ(20.3655, 21.8061, 15.7427)

Have a look what the booklet for
XYZ(20.3655, 21.8061, 15.7427)
contains.

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Color

**XYZ(20.4019, 21.8941,
15.7211)**

Conversions

Conversions Part 1

Format	Color
Hex	888166
RGB	136, 129, 102
RGB Percent	53%, 51%, 40%
CMY	0.4667, 0.4941, 0.6000
CMYK	0.00, 0.05, 0.25, 0.47
HSL	48°, 14%, 47%
HSV	48°, 25%, 53%
XYZ	20.4019, 21.8941, 15.7211
YIQ	128.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

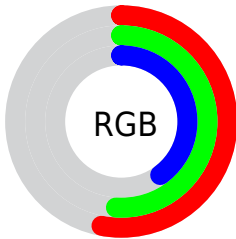
Format	Color
R_{YB}	111, 136, 102
Decimal	8946022
CIE Lab	53.91, -1.98, 15.62
CIE LCh	54, 15.744, 97.230
Yxy	21.8941, 0.3517, 0.3774
Android (android.graphics.Color)	4287136102 (0xFF888166)
YUV	128.0150, -12.8254, 7.0028
Hunter-Lab	46.7911, -4.0548, 12.8333

Details

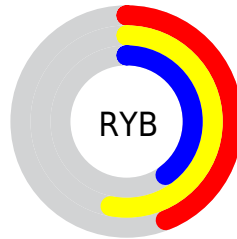
The XYZ color **20.4019, 21.8941, 15.7211** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3920, 15.5393, 25.4808**, and the grayscale version is **20.5635, 21.6344, 23.5598**.

A 20% lighter version of the original color is **43.7129, 46.7030, 36.8476**, and **7.3960, 7.9916, 4.7671** is the 20% darker color. If you saturate the color by 10%, you get **19.4186, 20.9197, 12.3343**, and if you desaturate by 10%, it is **21.5071, 22.9349, 19.6950**.

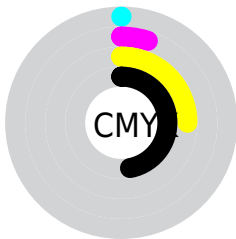
Distribution



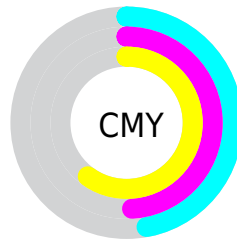
- Red (53%)
- Green (51%)
- Blue (40%)



- Red (44%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4019, 21.8941, 15.7211 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 20.4019, 21.8941, 15.7211 by changing the saturation by 10% instead.

■ 20.4019, 21.8941,
15.7211

■ 20.4019, 21.8941,
15.7211

246.8749,
261.9927, 239.4796

■ 12.7975, 13.7791,
9.1748

■ 43.5888, 46.5709,
36.8734

■ 7.3653, 7.9672,
4.7570

■ 59.9020, 63.9015,
52.3164

■ 3.7399, 4.0740,
2.0492

■ 79.8488, 85.0728,
71.5621

■ 1.5561, 1.7150,
0.5853

■ 103.7946,
110.4691, 95.0290

■ 0.3635, 0.4334,
0.0000

132.1048,
140.4748, 123.1357

■ 0.0000, 0.0000,
0.0000

165.1447,

175.4744, 156.3007

203.2796,
215.8523, 194.9424

■ 20.4019, 21.8941,
15.7211

■ 20.4019, 21.8941,
15.7211

■ 19.4186, 20.9197,
12.3343

■ 21.5071, 22.9349,
19.6950

■ 18.5501, 20.0065,
9.5049

■ 22.7377, 24.0415,
24.2812

■ 17.7909, 19.1529,
7.2025

■ 24.0989, 25.2166,
29.5049

■ 17.1346, 18.3563,
5.3934

■ 25.5953, 26.4625,
35.3897

■ 16.5740, 17.6135,
4.0397

■ 27.2313, 27.7807,
41.9579

■ 16.1008, 16.9212,
3.0982

■ 29.0109, 29.1732,
49.2306

■ 15.7034, 16.2747,
2.5090

■ 30.9380, 30.6416,
57.2283

■ 15.5173, 15.9621,
2.2631

■ 33.0164, 32.1876,
65.9703

■ 35.2498, 33.8126,
75.4755

Harmonies

Analogous

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



22.0977, 21.8941, 16.2216



20.4019, 21.8941, 15.7211



18.8981, 21.8941, 17.1482

Triad

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



20.4019, 21.8941, 15.7211



18.3193, 21.8941, 29.9487



23.9643, 21.8941, 27.6401

Complementary

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



20.4019, 21.8941, 15.7211



15.3920, 15.5393, 25.4808

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.



22.8460, 21.8941, 32.0766



20.4019, 21.8941, 15.7211



19.5727, 21.8941, 33.5309

Square

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



20.4019, 21.8941, 15.7211



17.7388, 21.8941, 25.0340



21.2229, 21.8941, 34.3583



24.2160, 21.8941, 22.6826

Rectangle

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



20.4019, 21.8941, 15.7211



18.1859, 21.8941, 19.1320



21.2229, 21.8941, 34.3583



23.6744, 21.8941, 29.2608

Sweetspot

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



20.4025, 21.8951, 15.7216



39.5843, 41.9381, 40.9572



17.6851, 15.8493, 16.6991



9.1428, 9.6906, 9.3932



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.



20.4025, 21.8951, 15.7216



34.9496, 37.6003, 24.2086



19.8610, 23.0313, 15.9694



5.3452, 5.6732, 5.3657



14.6933, 15.1210, 2.1442



0.1078, 0.1208, 0.0176

Inverse Universe

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



15.3920, 15.5393, 25.4808



24.5524, 24.4136, 44.4666



15.8311, 14.7014, 25.2959



4.8527, 5.0483, 6.3245



4.6046, 2.4795, 22.2816



0.0393, 0.0340, 0.1509

Previews

White Background



This preview shows how the XYZ color 20.4019, 21.8941, 15.7211 looks on a white background.

Color Contrast Check

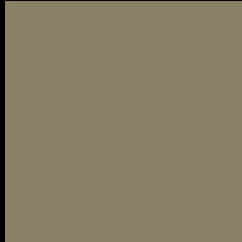
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4019, 21.8941, 15.7211 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

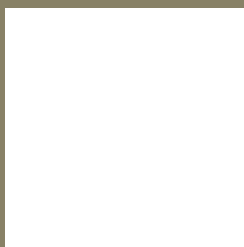
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4019, 21.8941, 15.7211

Background



This preview shows how black text looks on a background with the XYZ color 20.4019, 21.8941, 15.7211.



This preview shows how white text looks on a background with the XYZ color 20.4019, 21.8941,

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

20.4019, 21.8941, 15.7211

Protanopia

20.5651, 21.9782, 15.7287

Deuteranopia

22.2335, 21.8786, 15.8831



Tritanopia

22.4519, 21.9639, 25.6104

Trichromacy



Original Color

20.4019, 21.8941, 15.7211

Protanomaly

20.5651, 21.9782, 15.7287

Deuteranomaly

21.5861, 21.9207, 15.9254

Tritanomaly

21.6212, 21.8158, 21.4837

Monochromacy



Original Color

20.4019, 21.8941, 15.7211

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4090, 21.5955, 20.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4019, 21.8941, 15.7211 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, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(136, 129, 102)  
}
```

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, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 129, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.4019, 21.8941, 15.7211 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, 129, 102) }
```


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

```
.border{ border-color:rgb(136, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(136, 129,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4019, 21.8941, 15.7211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 129, 102) }
```

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

```
.background{ background-color: rgb(136,  
129, 102) }
```

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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