

Converting Colors

XYZ(21.6463, 22.3119, 20.5952)

Have a look what the booklet for
XYZ(21.6463, 22.3119, 20.5952)
contains.

XYZ(21.5302, 22.1735, 20.5979)	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(21.5302, 22.1735,
20.5979)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8077
RGB	138, 128, 119
RGB Percent	54%, 50%, 47%
CMY	0.4588, 0.4980, 0.5333
CMYK	0.00, 0.07, 0.14, 0.46
HSL	28°, 8%, 50%
HSV	28°, 14%, 54%
XYZ	21.5302, 22.1735, 20.5979
YIQ	129.9640, 8.8490, -0.6790

Conversions

Conversions Part 2

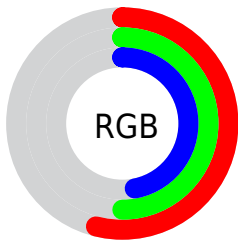
Format	Color
R_{YB}	138, 136, 119
Decimal	9076855
CIE _{Lab}	54.21, 2.16, 6.24
CIE _{LCh}	54, 6.605, 70.893
Yxy	22.1735, 0.3348, 0.3448
Android (android.graphics.Color)	4287266935 (0xFF8A8077)
YUV	129.9640, -5.4053, 7.0476
Hunter-Lab	47.0887, -0.7905, 7.0271

Details

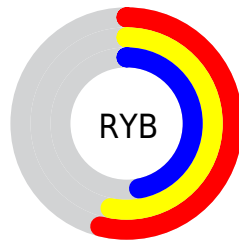
The XYZ color **21.5302, 22.1735, 20.5979** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0454, 21.4571, 27.1302**, and the grayscale version is **21.2222, 22.3274, 24.3145**.

A 20% lighter version of the original color is **45.6128, 47.1945, 45.2335**, and **7.9578, 8.1216, 7.1094** is the 20% darker color. If you saturate the color by 10%, you get **19.8476, 20.0395, 16.2407**, and if you desaturate by 10%, it is **23.4022, 24.4932, 25.6125**.

Distribution



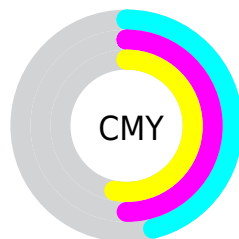
- Red (54%)
- Green (50%)
- Blue (47%)



- Red (54%)
- Yellow (53%)
- Blue (47%)



- Cyan (0%)
- Magenta (7%)
- Yellow (14%)
- Black (46%)



- Cyan (46%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5302, 22.1735, 20.5979 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 21.5302, 22.1735, 20.5979 by changing the saturation by 10% instead.

■ 21.5302, 22.1735,
20.5979

■ 21.5302, 22.1735,
20.5979

252.7617,
263.4510, 267.8443

■ 13.6268, 13.9844,
12.6420

■ 45.4529, 47.0326,
45.2894

■ 7.9415, 8.1098,
7.0547

■ 62.2030, 64.4714,
62.8622

■ 4.1090, 4.1653,
3.4174

■ 82.6326, 85.7623,
84.4776

■ 1.7640, 1.7665,
1.3115

107.1071,
111.2896, 110.5543

■ 0.4958, 0.4661,
0.0712

135.9919,
141.4377, 141.5108

■ 0.0000, 0.0000,
0.0000

169.6524,

176.5910, 177.7655

208.4539,
217.1340, 219.7372

■ 21.5302, 22.1735,
20.5979

■ 21.5302, 22.1735,
20.5979

■ 19.8476, 20.0395,
16.2407

■ 23.4022, 24.4932,
25.6125

■ 18.3459, 18.0833,
12.5119

■ 25.4681, 27.0004,
31.3092

■ 17.0189, 16.3009,
9.3823

■ 27.7342, 29.7005,
37.7130

■ 15.8589, 14.6869,
6.8198

■ 30.2063, 32.5978,
44.8473

■ 14.8580, 13.2354,
4.7893

■ 32.8897, 35.6965,
52.7344

■ 14.0070, 11.9403,
3.2516

■ 35.7898, 39.0006,
61.3955

■ 13.2961, 10.7948,
2.1623

■ 38.9113, 42.5141,
70.8512

■ 12.7131, 9.7915,
1.4669

■ 42.2593, 46.2408,
81.1212

■ 12.3939, 9.2284,
1.1280

■ 45.8384, 50.1843,
92.2244

Harmonies

Analogous

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



22.1357, 22.1735, 21.6472



21.5302, 22.1735, 20.5979



20.8155, 22.1735, 20.4664

Triad

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



21.5302, 22.1735, 20.5979



19.7489, 22.1735, 24.8978



21.9916, 22.1735, 27.2557

Complementary

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



21.5302, 22.1735, 20.5979



20.0454, 21.4571, 27.1302

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.



21.3371, 22.1735, 28.2359



21.5302, 22.1735, 20.5979



20.0492, 22.1735, 26.8240

Square

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



21.5302, 22.1735, 20.5979



19.7980, 22.1735, 22.8725



20.6267, 22.1735, 28.0736



22.4063, 22.1735, 25.4601

Rectangle

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



21.5302, 22.1735, 20.5979



20.3746, 22.1735, 20.9080



20.6267, 22.1735, 28.0736



21.7918, 22.1735, 27.6960

Sweetspot

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



21.5308, 22.1745, 20.5984



41.1401, 43.0383, 44.8471



21.0497, 20.1858, 23.6025



9.1754, 9.5893, 9.9174



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.



21.5308, 22.1745, 20.5984



36.8470, 37.6960, 33.4154



22.8092, 24.7313, 21.0245



5.2155, 5.4139, 5.3225



11.3778, 8.4900, 1.0391



0.0901, 0.0854, 0.0117

Inverse Universe

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



20.0454, 21.4571, 27.1302



33.6243, 36.1395, 47.5866



18.8680, 19.1021, 26.7377



4.9782, 5.2992, 6.3663



6.3820, 6.0344, 22.8741



0.0571, 0.0694, 0.1568

Previews

White Background



This preview shows how the XYZ color 21.5302, 22.1735, 20.5979 looks on a white background.

Color Contrast Check

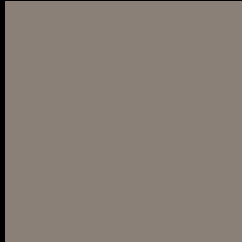
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5302, 22.1735, 20.5979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

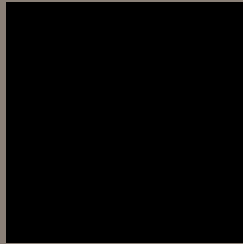
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5302, 22.1735, 20.5979

Background



This preview shows how black text looks on a background with the XYZ color 21.5302, 22.1735, 20.5979.



This preview shows how white text looks on a background with the XYZ color 21.5302, 22.1735,

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

21.5302, 22.1735, 20.5979

Protanopia

21.0719, 22.1249, 20.9292

Deuteranopia

22.5778, 22.1343, 20.8517



Tritanopia

22.6492, 22.2464, 26.0219

Trichromacy



Original Color

21.5302, 22.1735, 20.5979

Protanomaly

21.2321, 22.2075, 20.9367

Deuteranomaly

22.1787, 22.1174, 20.8694

Tritanomaly

22.1993, 22.2527, 23.8940

Monochromacy



Original Color

21.5302, 22.1735, 20.5979

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2890, 22.1934, 22.9004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5302, 22.1735, 20.5979 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(138, 128, 119)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 119)  
}
```

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(138, 128, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.5302, 22.1735, 20.5979 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(138, 128, 119) }
```


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

```
.border{ border-color:rgb(138, 128, 119) }
```

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

Here you see how a box with a 4 pixel rgb(138, 128, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 119);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5302, 22.1735, 20.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 119) }
```

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

```
.background{ background-color: rgb(138,  
128, 119) }
```

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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