

Converting Colors

XYZ(20.8724, 21.8240, 16.2396)

Have a look what the booklet for
XYZ(20.8724, 21.8240, 16.2396)
contains.

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Color

**XYZ(20.7355, 21.6672,
16.1860)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7F68
RGB	139, 127, 104
RGB Percent	55%, 50%, 41%
CMY	0.4549, 0.5019, 0.5922
CMYK	0.00, 0.09, 0.25, 0.45
HSL	39°, 14%, 48%
HSV	39°, 25%, 55%
XYZ	20.7355, 21.6672, 16.1860
YIQ	127.9660, 14.5350, -4.6090

Conversions

Conversions Part 2

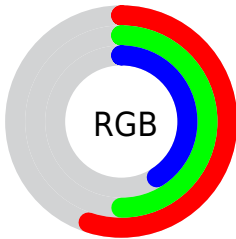
Format	Color
RYB	122, 139, 104
Decimal	9142120
CIELab	53.67, 0.69, 14.18
CIElCh	54, 14.194, 87.229
Yxy	21.6672, 0.3539, 0.3698
Android (android.graphics.Color)	4287332200 (0xFF8B7F68)
YUV	127.9660, -11.8152, 9.6768
Hunter-Lab	46.5480, -1.9437, 11.9669

Details

The XYZ color **20.7355, 21.6672, 16.1860** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.6143, 17.2974, 26.8892**, and the grayscale version is **20.5426, 21.6124, 23.5360**.

A 20% lighter version of the original color is **44.2300, 46.3465, 37.6250**, and **7.4874, 7.8189, 4.9855** is the 20% darker color. If you saturate the color by 10%, you get **19.4862, 20.2068, 12.5687**, and if you desaturate by 10%, it is **22.1315, 23.2343, 20.4270**.

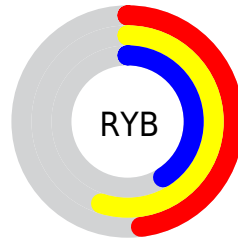
Distribution



Red (55%)

Green (50%)

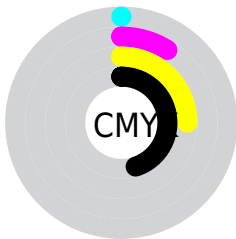
Blue (41%)



Red (48%)

Yellow (55%)

Blue (41%)

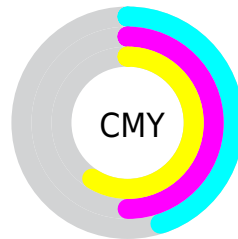


Cyan (0%)

Magenta (9%)

Yellow (25%)

Black (45%)



Cyan (45%)

Magenta (50%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7355, 21.6672, 16.1860 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 20.7355, 21.6672, 16.1860 by changing the saturation by 10% instead.

■ 20.7355, 21.6672,
16.1860

■ 20.7355, 21.6672,
16.1860

248.6279,
260.8034, 242.3198

■ 13.0422, 13.6126,
9.5001

■ 44.1415, 46.1953,
37.6921

■ 7.5348, 7.8517,
4.9675

■ 60.5849, 63.4376,
53.3493

■ 3.8480, 4.0002,
2.1698

■ 80.6757, 84.5113,
72.8341

■ 1.6165, 1.6737,
0.6569

■ 104.7792,
109.8006, 96.5650

■ 0.4031, 0.4065,
0.0000

133.2608,
139.6901, 124.9604

■ 0.0000, 0.0000,
0.0000

166.4859,

174.5641, 158.4390

204.8198,
214.8071, 197.4193

■ 20.7355, 21.6672,
16.1860

■ 20.7355, 21.6672,
16.1860

■ 19.4862, 20.2068,
12.5687

■ 22.1315, 23.2343,
20.4270

■ 18.3758, 18.8471,
9.5435

■ 23.6781, 24.9082,
25.3183

■ 17.3981, 17.5859,
7.0783

■ 25.3813, 26.6924,
30.8868

■ 16.5462, 16.4195,
5.1371

■ 27.2461, 28.5898,
37.1574

■ 15.8118, 15.3441,
3.6799

■ 29.2775, 30.6027,
44.1537

■ 15.1860, 14.3553,
2.6607

■ 31.4799, 32.7336,
51.8982

■ 14.6561, 13.4475,
2.0156

■ 33.8579, 34.9849,
60.4125

■ 14.4191, 13.0322,
1.7555

■ 36.4156, 37.3588,
69.7172

■ 39.1573, 39.8574,
79.8322

Harmonies

Analogous

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



22.2153, 21.6672, 17.2357



20.7355, 21.6672, 16.1860



19.2867, 21.6672, 16.9098

Triad

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



20.7355, 21.6672, 16.1860



18.1052, 21.6672, 27.6289



23.1482, 21.6672, 28.4141

Complementary

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



20.7355, 21.6672, 16.1860



16.6143, 17.2974, 26.8892

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.



21.9592, 21.6672, 31.8365



20.7355, 21.6672, 16.1860



19.0536, 21.6672, 31.3454

Square

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



20.7355, 21.6672, 16.1860



17.8129, 21.6672, 23.1899



20.4532, 21.6672, 32.9694



23.6505, 21.6672, 23.9985

Rectangle

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



20.7355, 21.6672, 16.1860



18.5240, 21.6672, 18.3565



20.4532, 21.6672, 32.9694



22.8128, 21.6672, 29.7386

Sweetspot

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



20.7361, 21.6682, 16.1865



41.5449, 43.6880, 42.5922



18.7649, 16.6566, 18.8256



9.4840, 9.9709, 9.5316



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.7361, 21.6682, 16.1865



35.8780, 37.3487, 25.3063



21.5231, 24.5126, 16.6940



5.2891, 5.5611, 5.3470



13.0302, 11.7947, 1.5898



0.1002, 0.1057, 0.0151

Inverse Universe

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



16.6143, 17.2974, 26.8892



27.2379, 28.1885, 47.7483



15.9482, 15.0321, 26.4870



4.9057, 5.1544, 6.3422



5.1617, 3.5937, 22.4673



0.0469, 0.0491, 0.1535

Previews

White Background



This preview shows how the XYZ color 20.7355, 21.6672, 16.1860 looks on a white background.

Color Contrast Check

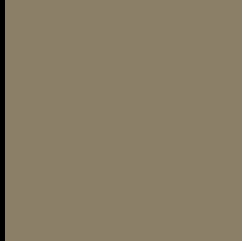
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7355, 21.6672, 16.1860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

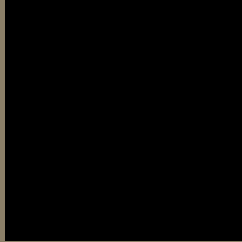
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7355, 21.6672, 16.1860

Background



This preview shows how black text looks on a background with the XYZ color 20.7355, 21.6672, 16.1860.



This preview shows how white text looks on a background with the XYZ color 20.7355, 21.6672,

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

20.7355, 21.6672, 16.1860

Protanopia

20.3712, 21.6721, 16.2062

Deuteranopia

22.0272, 21.5754, 16.3681



Tritanopia

22.4719, 21.6102, 25.1771

Trichromacy



Original Color

20.7355, 21.6672, 16.1860

Protanomaly

20.5344, 21.7562, 16.2138

Deuteranomaly

21.4345, 21.4550, 16.3761

Tritanomaly

21.7050, 21.4832, 21.4150

Monochromacy



Original Color

20.7355, 21.6672, 16.1860

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5647, 21.6758, 20.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7355, 21.6672, 16.1860 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(139, 127, 104)` looks like.

```
.text, #text, p{  
    color:rgb(139, 127, 104)  
}
```

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(139, 127, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 127, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.7355, 21.6672, 16.1860 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(139, 127, 104) }
```


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

```
.border{ border-color:rgb(139, 127, 104) }
```

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

Here you see how a box with a 4 pixel rgb(139, 127, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 127, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 127, 104);  
box-shadow:4px 4px 4px 4px rgb(139, 127,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7355, 21.6672, 16.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 127, 104) }
```

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

```
.background{ background-color: rgb(139,  
127, 104) }
```

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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