

Converting Colors

XYZ(21.8253, 27.2127, 20.7762)

Have a look what the booklet for
XYZ(21.8253, 27.2127, 20.7762)
contains.

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Color

**XYZ(21.8267, 27.3161,
20.6451)**

Conversions

Conversions Part 1

Format	Color
Hex	779774
RGB	119, 151, 116
RGB Percent	47%, 59%, 45%
CMY	0.5333, 0.4078, 0.5451
CMYK	0.21, 0.00, 0.23, 0.41
HSL	115°, 14%, 52%
HSV	115°, 23%, 59%
XYZ	21.8267, 27.3161, 20.6451
YIQ	137.4420, -7.8370, -17.6690

Conversions

Conversions Part 2

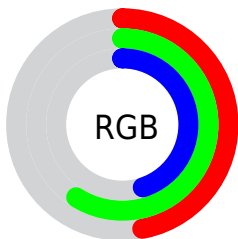
Format	Color
R_{YB}	116, 151, 148
Decimal	7837556
CIE _{Lab}	59.27, -18.23, 14.87
CIE _{LCh}	59, 23.529, 140.804
Yxy	27.3161, 0.3128, 0.3914
Android (android.graphics.Color)	4286027636 (0xFF779774)
YUV	137.4420, -10.5709, -16.1736
Hunter-Lab	52.2648, -16.9187, 13.1652

Details

The XYZ color **21.8267, 27.3161, 20.6451** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.0452, 21.0218, 32.0699**, and the grayscale version is **23.9868, 25.2359, 27.4819**.

A 20% lighter version of the original color is **45.9125, 55.2605, 45.2923**, and **8.1263, 10.8338, 7.1317** is the 20% darker color. If you saturate the color by 10%, you get **19.2598, 26.0870, 16.3067**, and if you desaturate by 10%, it is **24.8132, 28.7466, 25.7497**.

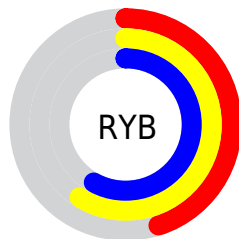
Distribution



Red (47%)

Green (59%)

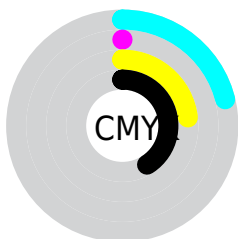
Blue (45%)



Red (45%)

Yellow (59%)

Blue (58%)

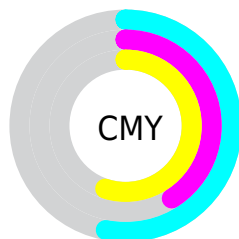


Cyan (21%)

Magenta (0%)

Yellow (23%)

Black (41%)



Cyan (53%)

Magenta (41%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8267, 27.3161, 20.6451 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 21.8267, 27.3161, 20.6451 by changing the saturation by 10% instead.

■ 21.8267, 27.3161,
20.6451

■ 21.8267, 27.3161,
20.6451

254.2893,
289.1844, 268.1052

■ 13.8455, 17.8108,
12.6761

■ 45.9404, 55.3907,
45.3692

■ 8.0943, 10.8142,
7.0778

■ 62.8036, 74.7287,
62.9615

■ 4.2076, 5.9420,
3.4316

■ 83.3582, 98.1131,
84.5985

■ 1.8203, 2.8099,
1.3190

107.9695,
125.9283, 110.6989

■ 0.5298, 1.0333,
0.0773

137.0029,
158.5586, 141.6813

■ 0.0000, 0.0000,
0.0000

170.8238,

196.3885, 177.9641

209.7975,
239.8023, 219.9658

■ 21.8267, 27.3161,
20.6451

■ 21.8267, 27.3161,
20.6451

■ 19.2598, 26.0870,
16.3067

■ 24.8132, 28.7466,
25.7497

■ 17.0915, 25.0469,
12.6957

■ 28.2346, 30.3833,
31.6530

■ 15.3026, 24.1875,
9.7730

■ 32.1081, 32.2351,
38.3878

■ 13.8709, 23.4984,
7.4948

■ 36.4495, 34.3095,
45.9848

■ 12.7725, 22.9682,
5.8125

■ 41.2737, 36.6136,
54.4727

■ 11.9802, 22.5842,
4.6702

■ 46.5948, 39.1540,
63.8792

■ 11.4623, 22.3315,
4.0020

■ 52.4265, 41.9374,
74.2307

■ 11.2322, 22.2194,
3.6968

■ 58.7821, 44.9697,
85.5525

■ 65.6741, 48.2572,
97.8691

Harmonies

Analogous

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



24.0080, 27.3161, 17.0376



21.8267, 27.3161, 20.6451



20.7765, 27.3161, 27.2312

Triad

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



21.8267, 27.3161, 20.6451



25.0708, 27.3161, 48.7419



31.6099, 27.3161, 24.3586

Complementary

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



21.8267, 27.3161, 20.6451



24.0452, 21.0218, 32.0699

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.



31.9483, 27.3161, 32.4038



21.8267, 27.3161, 20.6451



28.0216, 27.3161, 47.5742

Square

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



21.8267, 27.3161, 20.6451



22.5542, 27.3161, 44.1248



30.5917, 27.3161, 41.1832



29.6993, 27.3161, 18.8839

Rectangle

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



21.8267, 27.3161, 20.6451



20.8002, 27.3161, 32.8794



30.5917, 27.3161, 41.1832



31.9167, 27.3161, 26.8119

Sweetspot

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



21.8274, 27.3173, 20.6457



48.0405, 53.2040, 52.3222



26.4277, 28.8649, 20.7020



10.8455, 12.0574, 11.7653



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.8274, 27.3173, 20.6457



36.5232, 47.6907, 32.6249



22.2992, 27.4592, 25.2447



6.1788, 6.9496, 6.6216



9.5665, 18.9076, 3.1453



0.1544, 0.2885, 0.0476

Inverse Universe

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



24.0452, 21.0218, 32.0699



41.2305, 34.3205, 56.8851



23.5242, 20.8769, 26.4576



6.4090, 6.2967, 7.8066



13.6892, 6.5081, 25.4424



0.2179, 0.1041, 0.3810

Previews

White Background



This preview shows how the XYZ color 21.8267, 27.3161, 20.6451 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 21.8267, 27.3161, 20.6451 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 21.8267, 27.3161, 20.6451

Background



This preview shows how black text looks on a background with the XYZ color 21.8267, 27.3161, 20.6451.



This preview shows how white text looks on a background with the XYZ color 21.8267, 27.3161,

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

21.8267, 27.3161, 20.6451

Protanopia

25.3601, 27.0952, 19.2225

Deuteranopia

27.5853, 27.1157, 21.2327



Tritanopia

24.9689, 27.4277, 35.8764

Trichromacy



Original Color

21.8267, 27.3161, 20.6451

Protanomaly

23.7535, 26.9320, 19.5692

Deuteranomaly

25.1558, 26.9499, 21.0155

Tritanomaly

23.6408, 27.3438, 29.6231

Monochromacy



Original Color

21.8267, 27.3161, 20.6451

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.8414, 25.6768, 24.5211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8267, 27.3161, 20.6451 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(119, 151, 116)` looks like.

```
.text, #text, p{  
    color:rgb(119, 151, 116)  
}
```

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(119, 151, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 151, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.8267, 27.3161, 20.6451 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(119, 151, 116) }
```


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

```
.border{ border-color:rgb(119, 151, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 151, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 151, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 151, 116);  
box-shadow:4px 4px 4px 4px rgb(119, 151,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8267, 27.3161, 20.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 151, 116) }
```

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

```
.background{ background-color: rgb(119,  
151, 116) }
```

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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