

Converting Colors

XYZ(21.2178, 20.2426, 16.9763)

Have a look what the booklet for
XYZ(21.2178, 20.2426, 16.9763)
contains.

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Color

**XYZ(21.2178, 20.2426,
16.9763)**

Conversions

Conversions Part 1

Format	Color
Hex	93766C
RGB	147, 118, 108
RGB Percent	58%, 46%, 42%
CMY	0.4235, 0.5372, 0.5765
CMYK	0.00, 0.20, 0.27, 0.42
HSL	15°, 15%, 50%
HSV	15°, 27%, 58%
XYZ	21.2178, 20.2426, 16.9763
YIQ	125.5310, 20.4940, 3.0380

Conversions

Conversions Part 2

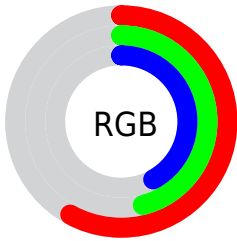
Format	Color
R_{YB}	147, 121, 108
Decimal	9664108
CIE Lab	52.11, 9.73, 9.79
CIE LCh	52, 13.803, 45.158
Yxy	20.2426, 0.3631, 0.3464
Android (android.graphics.Color)	4287854188 (0xFF93766C)
YUV	125.5310, -8.6428, 18.8283
Hunter-Lab	44.9918, 5.4437, 9.1229

Details

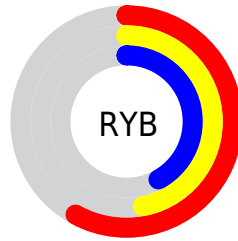
The XYZ color **21.2178, 20.2426, 16.9763** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.3962, 23.1854, 31.0040**, and the grayscale version is **19.6960, 20.7218, 22.5660**.

A 20% lighter version of the original color is **44.9899, 43.8092, 38.8857**, and **7.8563, 7.2040, 5.3913** is the 20% darker color. If you saturate the color by 10%, you get **19.2872, 17.5296, 12.7930**, and if you desaturate by 10%, it is **23.4306, 23.3086, 21.9050**.

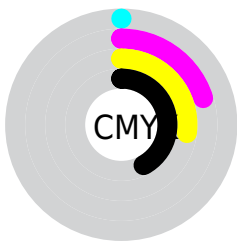
Distribution



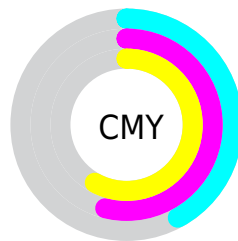
- Red (58%)
- Green (46%)
- Blue (42%)



- Red (58%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (20%)
- Yellow (27%)
- Black (42%)



- Cyan (42%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2178, 20.2426, 16.9763 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 21.2178, 20.2426, 16.9763 by changing the saturation by 10% instead.

■ 21.2178, 20.2426,
16.9763

■ 21.2178, 20.2426,
16.9763

251.1436,
253.2254, 247.0751

■ 13.3967, 12.5715,
10.0558

■ 44.9383, 43.8235,
39.0751

■ 7.7811, 7.1342,
5.3299

■ 61.5683, 60.5022,
55.0905

■ 4.0058, 3.5461,
2.3800

■ 81.8654, 80.9522,
74.9747

■ 1.7054, 1.4231,
0.7755

■ 106.1949,
105.5578, 99.1461

■ 0.4597, 0.2336,
0.0000

134.9221,
134.7036, 128.0233

■ 0.0000, 0.0000,
0.0000

168.4124,

168.7739, 162.0248

207.0311,
208.1530, 201.5692

■ 21.2178, 20.2426,
16.9763

■ 21.2178, 20.2426,
16.9763

■ 19.2872, 17.5296,
12.7930

■ 23.4306, 23.3086,
21.9050

■ 17.6255, 15.1539,
9.3173

■ 25.9349, 26.7369,
27.6119

■ 16.2207, 13.1030,
6.5099

■ 28.7417, 30.5399,
34.1291

■ 15.0591, 11.3622,
4.3274

■ 31.8608, 34.7287,
41.4869

■ 14.1259, 9.9160,
2.7210

■ 35.3016, 39.3137,
49.7138

■ 13.4042, 8.7470,
1.6344

■ 39.0731, 44.3052,
58.8370

■ 12.8708, 7.8346,
0.9804

■ 43.1839, 49.7128,
68.8825

■ 12.7163, 7.5704,
0.7910

■ 47.6424, 55.5461,
79.8753

■ 52.4565, 61.8141,
91.8394

Harmonies

Analogous

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



21.9801, 20.2426, 20.0702



21.2178, 20.2426, 16.9763



19.9435, 20.2426, 15.3491

Triad

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



21.2178, 20.2426, 16.9763



16.7341, 20.2426, 20.1093



19.9584, 20.2426, 30.4259

Complementary

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



21.2178, 20.2426, 16.9763



20.3962, 23.1854, 31.0040

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.



18.5532, 20.2426, 30.4397



21.2178, 20.2426, 16.9763



16.7376, 20.2426, 24.1362

Square

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



21.2178, 20.2426, 16.9763



17.3791, 20.2426, 17.0019



17.3891, 20.2426, 28.0238



21.2291, 20.2426, 27.9882

Rectangle

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



21.2178, 20.2426, 16.9763



18.9970, 20.2426, 15.1708



17.3891, 20.2426, 28.0238



19.4850, 20.2426, 30.7231

Sweetspot

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



21.2183, 20.2435, 16.9767



45.6762, 46.8332, 47.6807



21.9286, 18.7417, 26.2229



10.2785, 10.4885, 10.5446



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.2183, 20.2435, 16.9767



35.8213, 33.2017, 25.6573



23.7208, 25.2484, 17.8109



5.9146, 6.0429, 6.0951



11.0421, 6.5986, 0.6917



0.1561, 0.1226, 0.0154

Inverse Universe

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



20.3962, 23.1854, 31.0040



34.0829, 39.3981, 55.2428



17.9001, 18.1930, 30.1720



5.8395, 6.3130, 7.3805



9.3547, 11.4043, 25.6392



0.1382, 0.1870, 0.3217

Previews

White Background



This preview shows how the XYZ color 21.2178, 20.2426, 16.9763 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 21.2178, 20.2426, 16.9763 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 21.2178, 20.2426, 16.9763

Background



This preview shows how black text looks on a background with the XYZ color 21.2178, 20.2426, 16.9763.



This preview shows how white text looks on a background with the XYZ color 21.2178, 20.2426,

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

21.2178, 20.2426, 16.9763

Protanopia

19.2828, 20.3088, 17.9426

Deuteranopia

20.7509, 20.3553, 17.0226



Tritanopia

22.3415, 20.3610, 22.1546

Trichromacy



Original Color

21.2178, 20.2426, 16.9763

Protanomaly

19.9273, 20.2791, 17.6158

Deuteranomaly

20.8052, 20.2057, 16.9909

Tritanomaly

21.9038, 20.3504, 20.2263

Monochromacy



Original Color

21.2178, 20.2426, 16.9763

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2442, 20.5662, 20.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2178, 20.2426, 16.9763 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(147, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(147, 118, 108)  
}
```

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(147, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 118, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.2178, 20.2426, 16.9763 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(147, 118, 108) }
```


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

```
.border{ border-color:rgb(147, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(147, 118,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2178, 20.2426, 16.9763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 118, 108) }
```

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

```
.background{ background-color: rgb(147,  
118, 108) }
```

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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