

Converting Colors

XYZ(21.0809, 18.0402, 12.8201)

Have a look what the booklet for
XYZ(21.0809, 18.0402, 12.8201)
contains.

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Color

**XYZ(21.0266, 17.9600,
12.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	9E685D
RGB	158, 104, 93
RGB Percent	62%, 41%, 36%
CMY	0.3804, 0.5921, 0.6353
CMYK	0.00, 0.34, 0.41, 0.38
HSL	10°, 26%, 49%
HSV	10°, 41%, 62%
XYZ	21.0266, 17.9600, 12.7143
YIQ	118.8920, 35.7150, 8.0270

Conversions

Conversions Part 2

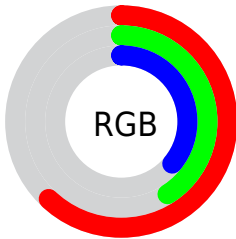
Format	Color
R_{YB}	158, 106, 93
Decimal	10381405
CIE _{Lab}	49.45, 20.30, 15.09
CIE _{LCh}	49, 25.289, 36.620
Yxy	17.9600, 0.4067, 0.3474
Android (android.graphics.Color)	4288571485 (0xFF9E685D)
YUV	118.8920, -12.7648, 34.2977
Hunter-Lab	42.3792, 14.3997, 11.8777

Details

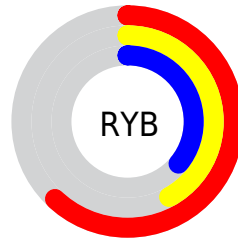
The XYZ color **21.0266, 17.9600, 12.7143** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1190, 25.6621, 36.1878**, and the grayscale version is **17.5320, 18.4450, 20.0866**.

A 20% lighter version of the original color is **44.5779, 40.0562, 31.3687**, and **7.6362, 5.9766, 3.4405** is the 20% darker color. If you saturate the color by 10%, you get **19.1779, 15.2692, 8.9949**, and if you desaturate by 10%, it is **23.2265, 21.1217, 17.2645**.

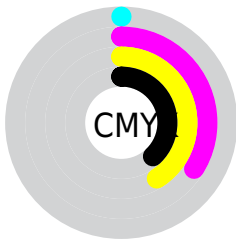
Distribution



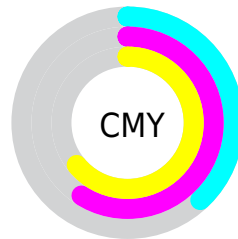
- Red (62%)
- Green (41%)
- Blue (36%)



- Red (62%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (41%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0266, 17.9600, 12.7143 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 21.0266, 17.9600, 12.7143 by changing the saturation by 10% instead.

■ 21.0266, 17.9600,
12.7143

■ 21.0266, 17.9600,
12.7143

250.1489,
240.6455, 220.2216

■ 13.2560, 10.9213,
7.1037

■ 44.6227, 39.9692,
31.4732

■ 7.6833, 6.0139,
3.4476

■ 61.1790, 55.7084,
45.4585

■ 3.9431, 2.8535,
1.3275

■ 81.3946, 75.1165,
63.0726

■ 1.6700, 1.0558,
0.0842

■ 105.6347, 98.5781,
84.7338

■ 0.4374, 0.0000,
0.0000

134.2649,
126.4773, 110.8608

■ 0.0000, 0.0000,
0.0000

167.6504,

159.1987, 141.8720

206.1566,
197.1266, 178.1861

■ 21.0266, 17.9600,
12.7143

■ 21.0266, 17.9600,
12.7143

■ 19.1779, 15.2692,
8.9949

■ 23.2265, 21.1217,
17.2645

■ 17.6606, 13.0242,
6.0548

■ 25.7933, 24.7727,
22.6907

■ 16.4548, 11.2013,
3.8385

■ 28.7433, 28.9336,
29.0359

■ 15.5382, 9.7737,
2.2826

■ 32.0917, 33.6230,
36.3401

■ 14.8850, 8.7113,
1.3124

■ 35.8525, 38.8588,
44.6409

■ 14.4867, 8.0414,
0.7886

■ 40.0393, 44.6576,
53.9738

■ 44.6648, 51.0358,
64.3727

■ 49.7415, 58.0087,
75.8698

■ 55.2811, 65.5913,
88.4960

Harmonies

Analogous

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



22.0489, 17.9600, 18.0784



21.0266, 17.9600, 12.7143



18.9578, 17.9600, 9.7994

Triad

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



21.0266, 17.9600, 12.7143



13.1937, 17.9600, 14.7882



17.6052, 17.9600, 35.7389

Complementary

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



21.0266, 17.9600, 12.7143



21.1190, 25.6621, 36.1878

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.



15.3127, 17.9600, 34.2767



21.0266, 17.9600, 12.7143



12.9042, 17.9600, 21.1107

Square

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



21.0266, 17.9600, 12.7143



14.4758, 17.9600, 10.7871



13.6445, 17.9600, 28.4934



19.9580, 17.9600, 32.1200

Rectangle

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



21.0266, 17.9600, 12.7143



17.3425, 17.9600, 9.1477



13.6445, 17.9600, 28.4934



16.8012, 17.9600, 35.8359

Sweetspot

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



21.0271, 17.9609, 12.7147



51.5762, 51.6692, 51.3830



23.2945, 17.2097, 29.7664



11.4758, 11.4350, 11.2558



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.0271, 17.9609, 12.7147



35.1918, 28.2633, 17.0571



24.9275, 25.7618, 14.0148



6.7193, 6.8187, 6.9477



11.6233, 6.4823, 0.6386



0.2300, 0.1603, 0.0188

Inverse Universe

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



21.1190, 25.6621, 36.1878



35.3607, 44.0816, 65.3884



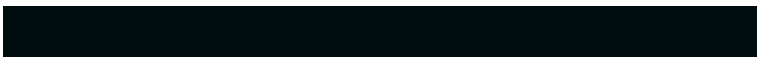
16.7787, 16.9815, 34.7411



6.7262, 7.3182, 8.4647



11.4952, 15.0819, 28.2125



0.2286, 0.3158, 0.5121

Previews

White Background



This preview shows how the XYZ color 21.0266, 17.9600, 12.7143 looks on a white background.

Color Contrast Check

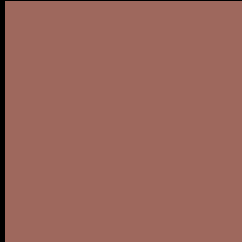
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.0266, 17.9600, 12.7143 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 21.0266, 17.9600, 12.7143

Background



This preview shows how black text looks on a background with the XYZ color 21.0266, 17.9600, 12.7143.



This preview shows how white text looks on a background with the XYZ color 21.0266, 17.9600,

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

21.0266, 17.9600, 12.7143

Protanopia

17.0909, 18.1621, 14.6614

Deuteranopia

18.2747, 17.9689, 12.4027



Tritanopia

21.8098, 17.9778, 16.7886

Trichromacy



Original Color

21.0266, 17.9600, 12.7143

Protanomaly

18.2161, 17.9076, 13.8057

Deuteranomaly

19.1848, 17.9443, 12.5777

Tritanomaly

21.5965, 18.0507, 15.1778

Monochromacy



Original Color

21.0266, 17.9600, 12.7143

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.5047, 18.1470, 17.2793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0266, 17.9600, 12.7143 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(158, 104, 93)` looks like.

```
.text, #text, p{  
    color:rgb(158, 104, 93)  
}
```

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(158, 104, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 104, 93) }
```

Border

The CSS property to change the border of an element to XYZ 21.0266, 17.9600, 12.7143 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(158, 104, 93) }
```


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

```
.border{ border-color:rgb(158, 104, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 104, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 104, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 104, 93);  
box-shadow:4px 4px 4px 4px rgb(158, 104,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0266, 17.9600, 12.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 104, 93) }
```

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

```
.background{ background-color: rgb(158,  
104, 93) }
```

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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