

Converting Colors

XYZ(21.0377, 17.2026, 12.9883)

Have a look what the booklet for
XYZ(21.0377, 17.2026, 12.9883)
contains.

XYZ(21.0246, 17.2235, 13.0428)	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(21.0246, 17.2235,
13.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	A0635F
RGB	160, 99, 95
RGB Percent	63%, 39%, 37%
CMY	0.3725, 0.6117, 0.6274
CMYK	0.00, 0.38, 0.41, 0.37
HSL	4°, 25%, 50%
HSV	4°, 41%, 63%
XYZ	21.0246, 17.2235, 13.0428
YIQ	116.7830, 37.6400, 11.6880

Conversions

Conversions Part 2

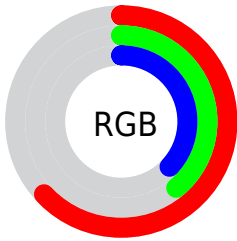
Format	Color
R _Y B	160, 99, 95
Decimal	10511199
CIE Lab	48.54, 24.20, 12.69
CIE LCh	49, 27.322, 27.667
Yxy	17.2235, 0.4099, 0.3358
Android (android.graphics.Color)	4288701279 (0xFFA0635F)
YUV	116.7830, -10.7390, 37.9013
Hunter-Lab	41.5012, 17.8014, 10.4175

Details

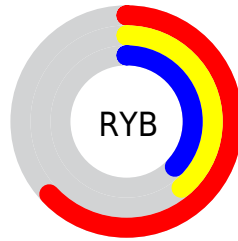
The XYZ color **21.0246, 17.2235, 13.0428** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.9524, 28.7466, 37.5966**, and the grayscale version is **16.8658, 17.7441, 19.3234**.

A 20% lighter version of the original color is **44.6325, 38.6087, 31.8879**, and **7.6821, 5.6536, 3.5921** is the 20% darker color. If you saturate the color by 10%, you get **19.0781, 14.3772, 9.1668**, and if you desaturate by 10%, it is **23.3859, 20.6602, 17.7944**.

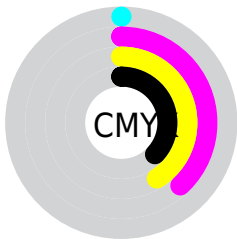
Distribution



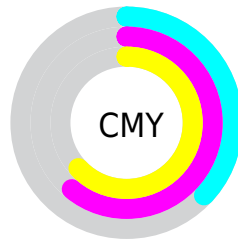
- Red (63%)
- Green (39%)
- Blue (37%)



- Red (63%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (38%)
- Yellow (41%)
- Black (37%)



- Cyan (37%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0246, 17.2235, 13.0428 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 21.0246, 17.2235, 13.0428 by changing the saturation by 10% instead.

■ 21.0246, 17.2235,
13.0428

■ 21.0246, 17.2235,
13.0428

250.1384,
236.4571, 222.4092

■ 13.2545, 10.3940,
7.3270

■ 44.6194, 38.7097,
32.0730

■ 7.6823, 5.6609,
3.5859

■ 61.1749, 54.1351,
46.2244

■ 3.9424, 2.6400,
1.4010

■ 81.3896, 73.1946,
64.0247

■ 1.6696, 0.9468,
0.1425

■ 105.6289, 96.2725,
85.8925

■ 0.4371, 0.0000,
0.0000

134.2580,
123.7534, 112.2463

■ 0.0000, 0.0000,
0.0000

167.6424,

156.0215, 143.5047

206.1474,
193.4612, 180.0861

■ 21.0246, 17.2235,
13.0428

■ 21.0246, 17.2235,
13.0428

■ 19.0781, 14.3772,
9.1668

■ 23.3859, 20.6602,
17.7944

■ 17.5210, 12.0857,
6.1120

■ 26.1827, 24.7152,
23.4694

■ 16.3277, 10.3135,
3.8196

■ 29.4357, 29.4178,
30.1136


■ 15.4683, 9.0201,
2.2222

■ 33.1641, 34.7945,
37.7693


■ 14.9087, 8.1586,
1.2409


■ 37.3860, 40.8705,
46.4761

 14.6042, 7.6875,
0.7141

 42.1184, 47.6696,
56.2719

 47.3777, 55.2145,
67.1923

 53.1794, 63.5269,
79.2716

 59.5383, 72.6278,
92.5424

Harmonies

Analogous

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



21.6781, 17.2235, 19.3214



21.0246, 17.2235, 13.0428



19.0880, 17.2235, 9.3356

Triad

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



21.0246, 17.2235, 13.0428



12.6238, 17.2235, 12.2931



16.1749, 17.2235, 36.2186

Complementary

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



21.0246, 17.2235, 13.0428



22.9524, 28.7466, 37.5966

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.



13.9239, 17.2235, 33.0143



21.0246, 17.2235, 13.0428



12.0085, 17.2235, 18.1968

Square

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



21.0246, 17.2235, 13.0428



14.2314, 17.2235, 8.9868



12.4594, 17.2235, 25.9267



18.7137, 17.2235, 33.8409

Rectangle

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



21.0246, 17.2235, 13.0428



17.4224, 17.2235, 8.2367



12.4594, 17.2235, 25.9267



15.3617, 17.2235, 35.7441

Sweetspot

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



21.0250, 17.2243, 13.0431



52.4404, 51.9609, 52.6174



24.6539, 18.0839, 33.9776



11.3400, 11.1633, 11.2105



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.



21.0250, 17.2243, 13.0431



34.8576, 26.4235, 17.0741



24.6456, 24.4654, 14.2500



6.6642, 6.7085, 6.9293



11.3886, 6.0128, 0.5603



0.2122, 0.1246, 0.0129

Inverse Universe

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



22.9524, 28.7466, 37.5966



38.8474, 50.3241, 68.0526



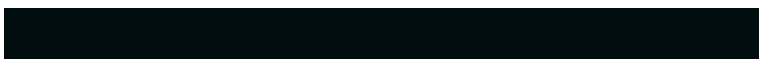
18.3036, 19.4491, 36.0470



6.7869, 7.4395, 8.4849



13.4684, 19.0284, 28.8702



0.2503, 0.3591, 0.5194

Previews

White Background



This preview shows how the XYZ color 21.0246, 17.2235, 13.0428 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 21.0246, 17.2235, 13.0428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

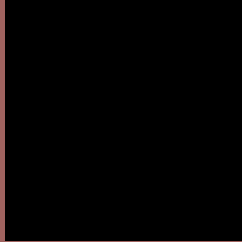
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0246, 17.2235, 13.0428

Background



This preview shows how black text looks on a background with the XYZ color 21.0246, 17.2235, 13.0428.

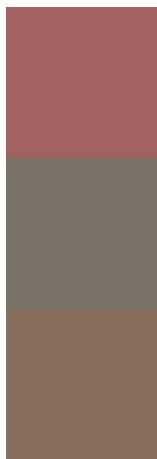


This preview shows how white text looks on a background with the XYZ color 21.0246, 17.2235,

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

21.0246, 17.2235, 13.0428

Protanopia

16.4641, 17.3057, 15.3045

Deuteranopia

17.6519, 17.3101, 12.7668



Tritanopia

21.6154, 17.3324, 15.5708

Trichromacy



Original Color

21.0246, 17.2235, 13.0428

Protanomaly

17.7606, 17.0083, 14.4034

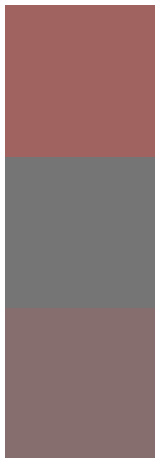
Deuteranomaly

18.7797, 17.2528, 12.9300

Tritanomaly

21.4146, 17.2520, 14.5132

Monochromacy



Original Color

21.0246, 17.2235, 13.0428

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0091, 17.2425, 16.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0246, 17.2235, 13.0428 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(160, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(160, 99, 95)  
}
```

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(160, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 99, 95) }
```

Border

The CSS property to change the border of an element to XYZ 21.0246, 17.2235, 13.0428 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(160, 99, 95) }
```


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

```
.border{ border-color:rgb(160, 99, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 99, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(160, 99,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0246, 17.2235, 13.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 99, 95) }
```

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

```
.background{ background-color: rgb(160, 99,  
95) }
```

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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