

Converting Colors

XYZ(21.5020, 18.0028, 12.7677)

Have a look what the booklet for
XYZ(21.5020, 18.0028, 12.7677)
contains.

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Color

**XYZ(21.5240, 18.0679,
12.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	A1675D
RGB	161, 103, 93
RGB Percent	63%, 40%, 36%
CMY	0.3686, 0.5961, 0.6353
CMYK	0.00, 0.36, 0.42, 0.37
HSL	9°, 27%, 50%
HSV	9°, 42%, 63%
XYZ	21.5240, 18.0679, 12.7089
YIQ	119.2020, 37.7780, 9.1860

Conversions

Conversions Part 2

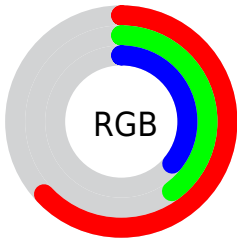
Format	Color
RYB	161, 105, 93
Decimal	10577757
CIELab	49.58, 22.10, 15.32
CIELCh	50, 26.893, 34.739
Yxy	18.0679, 0.4115, 0.3455
Android (android.graphics.Color)	4288767837 (0xFFA1675D)
YUV	119.2020, -12.9176, 36.6568
Hunter-Lab	42.5064, 16.0012, 12.0274

Details

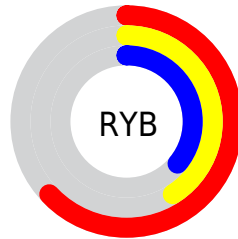
The XYZ color **21.5240, 18.0679, 12.7089** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.0133, 27.0324, 37.7758**, and the grayscale version is **17.6303, 18.5484, 20.1992**.

A 20% lighter version of the original color is **45.5927, 40.3313, 31.3683**, and **7.9427, 6.0634, 3.4411** is the 20% darker color. If you saturate the color by 10%, you get **19.6291, 15.3018, 8.9218**, and if you desaturate by 10%, it is **23.7943, 21.3445, 17.3622**.

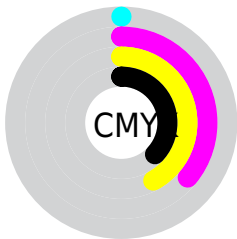
Distribution



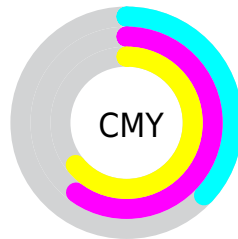
- Red (63%)
- Green (40%)
- Blue (36%)



- Red (63%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (36%)
- Yellow (42%)
- Black (37%)



- Cyan (37%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5240, 18.0679, 12.7089 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 21.5240, 18.0679, 12.7089 by changing the saturation by 10% instead.

■ 21.5240, 18.0679,
12.7089

■ 21.5240, 18.0679,
12.7089

252.7297,
241.2535, 220.1854

■ 13.6222, 10.9987,
7.1000

■ 45.4427, 40.1530,
31.4633

■ 7.9383, 6.0660,
3.4453

■ 62.1904, 55.9377,
45.4459

■ 4.1070, 2.8853,
1.3263

■ 82.6174, 75.3964,
63.0568

■ 1.7628, 1.0721,
0.0832

■ 107.0890, 98.9135,
84.7147

■ 0.4951, 0.0000,
0.0000

135.9707,
126.8734, 110.8379

■ 0.0000, 0.0000,
0.0000

169.6278,

159.6604, 141.8451

208.4257,
197.6590, 178.1547

■ 21.5240, 18.0679,
12.7089

■ 21.5240, 18.0679,
12.7089

■ 19.6291, 15.3018,
8.9218

■ 23.7943, 21.3445,
17.3622

■ 18.0879, 13.0178,
5.9461

■ 26.4574, 25.1528,
22.9298

■ 16.8782, 11.1889,
3.7226


■ 29.5315, 29.5159,
29.4574


■ 15.9750, 9.7842,
2.1832


■ 33.0330, 34.4550,
36.9874


■ 15.3494, 8.7689,
1.2477


■ 36.9775, 39.9901,
45.5596

 15.0181, 8.2175,
0.7946

 41.3799, 46.1400,
55.2117

 46.2543, 52.9230,
65.9794

 51.6141, 60.3564,
77.8969

 57.4724, 68.4570,
90.9969

Harmonies

Analogous

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



22.5356, 18.0679, 18.5358



21.5240, 18.0679, 12.7089



19.3508, 18.0679, 9.5126

Triad

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



21.5240, 18.0679, 12.7089



13.1106, 18.0679, 14.2698



17.5811, 18.0679, 37.2406

Complementary

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



21.5240, 18.0679, 12.7089



22.0133, 27.0324, 37.7758

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.



15.1651, 18.0679, 35.2948



21.5240, 18.0679, 12.7089



12.7367, 18.0679, 20.8555

Square

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



21.5240, 18.0679, 12.7089



14.5286, 18.0679, 10.2451



13.4518, 18.0679, 28.8052



20.1202, 18.0679, 33.6100

Rectangle

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



21.5240, 18.0679, 12.7089



17.6264, 18.0679, 8.7438



13.4518, 18.0679, 28.8052



16.7275, 18.0679, 37.2236

Sweetspot

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



21.5245, 18.0688, 12.7092



52.2989, 52.0263, 51.4966



24.2744, 17.6707, 31.8086



11.2071, 11.0379, 10.7337



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.



21.5245, 18.0688, 12.7092



35.2397, 27.5300, 16.1465



25.4874, 25.9946, 14.0302



7.1540, 7.2464, 7.4017



12.0141, 6.6021, 0.6411



0.2752, 0.1842, 0.0210

Inverse Universe

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



22.0133, 27.0324, 37.7758



36.2137, 45.7822, 67.3147



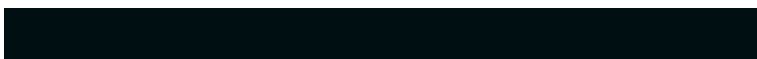
17.4179, 17.8417, 36.2440



7.1869, 7.8328, 9.0362



12.3414, 16.4621, 29.4568



0.2820, 0.3912, 0.6265

Previews

White Background



This preview shows how the XYZ color 21.5240, 18.0679, 12.7089 looks on a white background.

Color Contrast Check

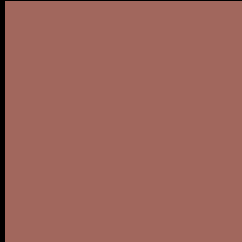
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5240, 18.0679, 12.7089 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 21.5240, 18.0679, 12.7089

Background



This preview shows how black text looks on a background with the XYZ color 21.5240, 18.0679, 12.7089.



This preview shows how white text looks on a background with the XYZ color 21.5240, 18.0679,

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

21.5240, 18.0679, 12.7089

Protanopia

17.2361, 18.2369, 14.6682

Deuteranopia

18.4409, 18.0546, 12.4105



Tritanopia

22.2607, 18.0715, 16.5022

Trichromacy



Original Color

21.5240, 18.0679, 12.7089

Protanomaly

18.5440, 18.0766, 13.8210

Deuteranomaly

19.4330, 17.9130, 12.5585

Tritanomaly

22.0998, 18.1634, 15.1731

Monochromacy



Original Color

21.5240, 18.0679, 12.7089

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.5511, 18.0044, 17.2493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5240, 18.0679, 12.7089 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(161, 103, 93)` looks like.

```
.text, #text, p{  
    color:rgb(161, 103, 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(161, 103, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 103, 93) }
```

Border

The CSS property to change the border of an element to XYZ 21.5240, 18.0679, 12.7089 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(161, 103, 93) }
```


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

```
.border{ border-color:rgb(161, 103, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 103, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 103, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 103, 93);  
box-shadow:4px 4px 4px 4px rgb(161, 103,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5240, 18.0679, 12.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 103, 93) }
```

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

```
.background{ background-color: rgb(161,  
103, 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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