

Converting Colors

XYZ(21.3087, 17.9298, 12.2504)

Have a look what the booklet for
XYZ(21.3087, 17.9298, 12.2504)
contains.

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Color

**XYZ(21.2358, 17.9294,
12.2390)**

Conversions

Conversions Part 1

Format	Color
Hex	A0675B
RGB	160, 103, 91
RGB Percent	63%, 40%, 36%
CMY	0.3725, 0.5961, 0.6431
CMYK	0.00, 0.36, 0.43, 0.37
HSL	10°, 27%, 49%
HSV	10°, 43%, 63%
XYZ	21.2358, 17.9294, 12.2390
YIQ	118.6750, 37.8240, 8.3520

Conversions

Conversions Part 2

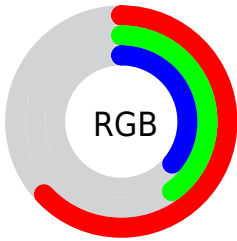
Format	Color
R_{YB}	160, 106, 91
Decimal	10512219
CIE _{Lab}	49.41, 21.46, 16.25
CIE _{LCh}	49, 26.919, 37.145
Yxy	17.9294, 0.4131, 0.3488
Android (android.graphics.Color)	4288702299 (0xFFA0675B)
YUV	118.6750, -13.6438, 36.2420
Hunter-Lab	42.3431, 15.4203, 12.5028

Details

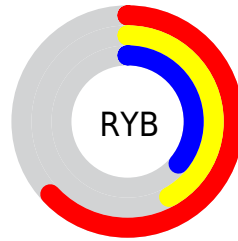
The XYZ color **21.2358, 17.9294, 12.2390** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2490, 25.9410, 37.1449**, and the grayscale version is **17.4657, 18.3752, 20.0106**.

A 20% lighter version of the original color is **45.1443, 40.1175, 30.5634**, and **7.7837, 5.9860, 3.2278** is the 20% darker color. If you saturate the color by 10%, you get **19.4055, 15.2582, 8.5791**, and if you desaturate by 10%, it is **23.4220, 21.0769, 16.7439**.

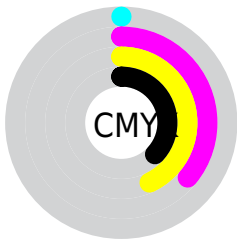
Distribution



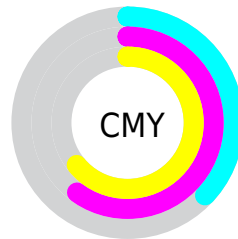
- Red (63%)
- Green (40%)
- Blue (36%)



- Red (63%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (36%)
- Yellow (43%)
- Black (37%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2358, 17.9294, 12.2390 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 21.2358, 17.9294, 12.2390 by changing the saturation by 10% instead.

■ 21.2358, 17.9294,
12.2390

■ 21.2358, 17.9294,
12.2390

251.2371,
240.4728, 217.0149

■ 13.4099, 10.8993,
6.7822

■ 44.9680, 39.9170,
30.6005

■ 7.7904, 5.9992,
3.2499

■ 61.6050, 55.6433,
44.3423

■ 4.0118, 2.8446,
1.2236

■ 81.9097, 75.0371,
61.6828

■ 1.7088, 1.0511,
0.0000

■ 106.2475, 98.4828,
83.0405

■ 0.4618, 0.0000,
0.0000

134.9838,
126.3649, 108.8341

■ 0.0000, 0.0000,
0.0000

168.4840,

159.0676, 139.4820

207.1133,
196.9755, 175.4027

■ 21.2358, 17.9294,
12.2390

■ 21.2358, 17.9294,
12.2390

■ 19.4055, 15.2582,
8.5791

■ 23.4220, 21.0769,
16.7439

■ 17.9106, 13.0373,
5.7102

■ 25.9804, 24.7197,
22.1412

■ 16.7305, 11.2424,
3.5738

■ 28.9281, 28.8789,
28.4760

■ 15.8416, 9.8457,
2.1024

■ 32.2805, 33.5737,
35.7898

■ 15.2168, 8.8160,
1.2163

■ 36.0522, 38.8223,
44.1218

■ 14.9086, 8.2963,
0.8156

■ 40.2572, 44.6419,
53.5092

■ 44.9087, 51.0492,
63.9870

■ 50.0195, 58.0600,
75.5889

■ 55.6017, 65.6896,
88.3468

Harmonies

Analogous

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



22.3579, 17.9294, 17.8343



21.2358, 17.9294, 12.2390



19.0084, 17.9294, 9.2659

Triad

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



21.2358, 17.9294, 12.2390



12.9275, 17.9294, 14.5804



17.6558, 17.9294, 36.9373

Complementary

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



21.2358, 17.9294, 12.2390



21.2490, 25.9410, 37.1449

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.



15.2150, 17.9294, 35.4451



21.2358, 17.9294, 12.2390



12.6424, 17.9294, 21.3131

Square

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



21.2358, 17.9294, 12.2390



14.2606, 17.9294, 10.3647



13.4391, 17.9294, 29.2385



20.1620, 17.9294, 32.9197

Rectangle

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



21.2358, 17.9294, 12.2390



17.2856, 17.9294, 8.6241



13.4391, 17.9294, 29.2385



16.7994, 17.9294, 37.0771

Sweetspot

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



21.2363, 17.9303, 12.2393



52.4530, 52.3344, 51.5480



23.6234, 17.1099, 30.2825



11.2453, 11.1142, 10.7465



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.



21.2363, 17.9303, 12.2393



35.2715, 27.7584, 15.6491



25.3313, 26.1204, 13.6044



6.7217, 6.8235, 6.9485



11.6374, 6.5103, 0.6433



0.2308, 0.1619, 0.0191

Inverse Universe

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



21.2490, 25.9410, 37.1449



35.2708, 44.2457, 67.0678



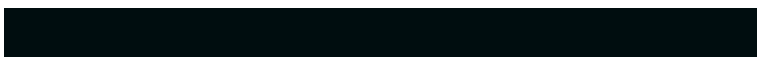
16.6770, 16.7970, 35.6209



6.7236, 7.3130, 8.4639



11.4163, 14.9241, 28.1862



0.2277, 0.3140, 0.5118

Previews

White Background



This preview shows how the XYZ color 21.2358, 17.9294, 12.2390 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 21.2358, 17.9294, 12.2390 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 21.2358, 17.9294, 12.2390

Background



This preview shows how black text looks on a background with the XYZ color 21.2358, 17.9294, 12.2390.



This preview shows how white text looks on a background with the XYZ color 21.2358, 17.9294,

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

21.2358, 17.9294, 12.2390

Protanopia

16.9952, 18.1238, 14.1578

Deuteranopia

18.3558, 18.0205, 11.9620



Tritanopia

22.0584, 17.9671, 16.4928

Trichromacy



Original Color

21.2358, 17.9294, 12.2390

Protanomaly

18.2872, 17.9548, 13.3283

Deuteranomaly

19.3467, 17.8785, 12.1041

Tritanomaly

21.8476, 18.0391, 14.9008

Monochromacy



Original Color

21.2358, 17.9294, 12.2390

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4970, 17.9827, 16.9641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2358, 17.9294, 12.2390 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, 103, 91)` looks like.

```
.text, #text, p{  
    color:rgb(160, 103, 91)  
}
```

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, 103, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 103, 91) }
```

Border

The CSS property to change the border of an element to XYZ 21.2358, 17.9294, 12.2390 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, 103, 91) }
```


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

```
.border{ border-color:rgb(160, 103, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 103, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 103, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 103, 91);  
box-shadow:4px 4px 4px 4px rgb(160, 103,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2358, 17.9294, 12.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 103, 91) }
```

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

```
.background{ background-color: rgb(160,  
103, 91) }
```

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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