

Converting Colors

XYZ(21.0940, 22.3981, 12.1014)

Have a look what the booklet for
XYZ(21.0940, 22.3981, 12.1014)
contains.

| | |
|--|----|
| XYZ(21.0316, 22.3017, 12.0003) | 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(21.0316, 22.3017,
12.0003)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 908156 |
| RGB | 144, 129, 86 |
| RGB Percent | 56%, 51%, 34% |
| CMY | 0.4353, 0.4941, 0.6627 |
| CMYK | 0.00, 0.10, 0.40, 0.44 |
| HSL | 44°, 25%, 45% |
| HSV | 44°, 40%, 56% |
| XYZ | 21.0316, 22.3017, 12.0003 |
| YIQ | 128.5830, 22.7430, -10.1930 |

Conversions

Conversions Part 2

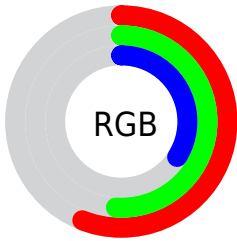
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 106, 144, 86 |
| Decimal | 9470294 |
| CIE _{Lab} | 54.35, -0.79, 25.40 |
| CIE _{LCh} | 54, 25.408, 91.784 |
| Yxy | 22.3017, 0.3801, 0.4030 |
| Android (android.graphics.Color) | 4287660374 (0xFF908156) |
| YUV | 128.5830, -20.9934, 13.5207 |
| Hunter-Lab | 47.2247, -3.1479, 17.9910 |

Details

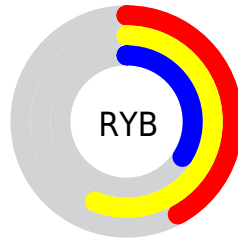
The XYZ color **21.0316, 22.3017, 12.0003** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.5254, 13.2991, 28.2397**, and the grayscale version is **20.7864, 21.8689, 23.8152**.

A 20% lighter version of the original color is **44.7251, 47.3756, 30.0797**, and **7.6653, 8.1658, 3.1796** is the 20% darker color. If you saturate the color by 10%, you get **20.0275, 21.1304, 9.0859**, and if you desaturate by 10%, it is **22.1716, 23.5576, 15.5372**.

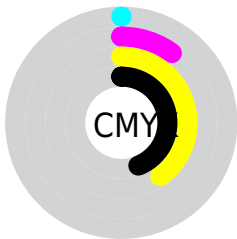
Distribution



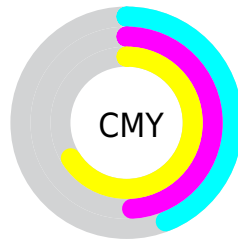
- Red (56%)
- Green (51%)
- Blue (34%)



- Red (42%)
- Yellow (56%)
- Blue (34%)



- Cyan (0%)
- Magenta (10%)
- Yellow (40%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0316, 22.3017, 12.0003 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 21.0316, 22.3017, 12.0003 by changing the saturation by 10% instead.

■ 21.0316, 22.3017,
12.0003

■ 21.0316, 22.3017,
12.0003

250.1749,
264.1178, 215.3853

■ 13.2597, 14.0788,
6.6213

■ 44.6310, 47.2441,
30.1601

■ 7.6858, 8.1755,
3.1516

■ 61.1892, 64.7324,
43.7779

■ 3.9447, 4.2074,
1.1726

■ 81.4069, 86.0779,
60.9792

■ 1.6709, 1.7903,
0.0000

■ 105.6494,
111.6651, 82.1824

■ 0.4379, 0.4811,
0.0000

■ 134.2821,
141.8782, 107.8061

■ 0.0000, 0.0000,
0.0000

167.6704,

177.1018, 138.2687

206.1795,
217.7202, 173.9890

■ 21.0316, 22.3017,
12.0003

■ 21.0316, 22.3017,
12.0003

■ 20.0275, 21.1304,
9.0859

■ 22.1716, 23.5576,
15.5372

■ 19.1505, 20.0373,
6.7555

■ 23.4525, 24.8980,
19.7296

■ 18.3929, 19.0200,
4.9683

■ 24.8810, 26.3266,
24.6094

■ 17.7459, 18.0747,
3.6774

■ 26.4629, 27.8461,
30.2063

■ 17.1987, 17.1966,
2.8283

■ 28.2038, 29.4589,
36.5481

■ 16.7351, 16.3962,
2.2827

■ 30.1087, 31.1673,
43.6612

■ 32.1825, 32.9737,
51.5708

■ 34.4301, 34.8801,
60.3006

■ 36.8558, 36.8886,
69.8737

Harmonies

Analogous

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



23.8175, 22.3017, 13.1649



21.0316, 22.3017, 12.0003



18.5124, 22.3017, 13.4834

Triad

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



21.0316, 22.3017, 12.0003



16.9825, 22.3017, 33.2406



26.2478, 22.3017, 32.2361

Complementary

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



21.0316, 22.3017, 12.0003



13.5254, 13.2991, 28.2397

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.



24.1295, 22.3017, 39.7021



21.0316, 22.3017, 12.0003



18.7763, 22.3017, 40.3653

Square

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



21.0316, 22.3017, 12.0003



16.3047, 22.3017, 24.7611



21.3635, 22.3017, 42.9529



26.9817, 22.3017, 23.8106

Rectangle

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



21.0316, 22.3017, 12.0003



17.2800, 22.3017, 16.0127



21.3635, 22.3017, 42.9529



25.6654, 22.3017, 34.9997

Sweetspot

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



21.0322, 22.3027, 12.0008



43.3669, 45.9253, 41.6118



17.2015, 13.5339, 14.1381



9.8781, 10.4654, 9.3117



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.0322, 22.3027, 12.0008



35.5399, 37.5282, 16.6305



20.9308, 25.4013, 12.6042



5.7232, 6.0526, 5.7560



14.5927, 14.3171, 1.9944



0.1573, 0.1725, 0.0250

Inverse Universe

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



13.5254, 13.2991, 28.2397



20.4917, 19.4910, 49.2201



13.5661, 11.3523, 27.8618



5.2359, 5.4677, 6.8082



4.9832, 2.9523, 23.2843



0.0634, 0.0597, 0.2279

Previews

White Background



This preview shows how the XYZ color 21.0316, 22.3017, 12.0003 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 21.0316, 22.3017, 12.0003 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 21.0316, 22.3017, 12.0003

Background



This preview shows how black text looks on a background with the XYZ color 21.0316, 22.3017, 12.0003.



This preview shows how white text looks on a background with the XYZ color 21.0316, 22.3017, 12.0003.

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

21.0316, 22.3017, 12.0003

Protanopia

20.6469, 22.2999, 12.0202

Deuteranopia

22.6383, 22.1713, 12.1032



Tritanopia

23.7110, 22.2489, 25.2351

Trichromacy



Original Color

21.0316, 22.3017, 12.0003

Protanomaly

20.8177, 22.3879, 12.0282

Deuteranomaly

22.1300, 22.2852, 12.1519

Tritanomaly

22.5186, 22.1312, 19.6079

Monochromacy



Original Color

21.0316, 22.3017, 12.0003

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6624, 21.9611, 18.7727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0316, 22.3017, 12.0003 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(144, 129, 86)` looks like.

```
.text, #text, p{  
    color:rgb(144, 129, 86)  
}
```

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(144, 129, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 129, 86) }
```

Border

The CSS property to change the border of an element to XYZ 21.0316, 22.3017, 12.0003 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(144, 129, 86) }
```


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

```
.border{ border-color:rgb(144, 129, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 129, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 129, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 129, 86);  
box-shadow:4px 4px 4px 4px rgb(144, 129,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0316, 22.3017, 12.0003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 129, 86) }
```

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

```
.background{ background-color: rgb(144,  
129, 86) }
```

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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