

Converting Colors

XYZ(21.0048, 11.9879, 24.0937)

Have a look what the booklet for
XYZ(21.0048, 11.9879, 24.0937)
contains.

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Color

**XYZ(21.0308, 12.0298,
24.1352)**

Conversions

Conversions Part 1

Format	Color
Hex	A53287
RGB	165, 50, 135
RGB Percent	65%, 20%, 53%
CMY	0.3529, 0.8039, 0.4706
CMYK	0.00, 0.70, 0.18, 0.35
HSL	316°, 53%, 42%
HSV	316°, 70%, 65%
XYZ	21.0308, 12.0298, 24.1352
YIQ	94.0750, 41.2550, 50.8150

Conversions

Conversions Part 2

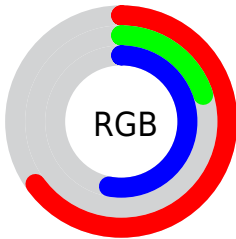
Format	Color
R_{YB}	165, 50, 135
Decimal	10826375
CIE _{Lab}	41.26, 55.59, -22.31
CIE _{LCh}	41, 59.903, 338.135
Yxy	12.0298, 0.3677, 0.2103
Android (android.graphics.Color)	4289016455 (0xFFA53287)
YUV	94.0750, 20.1760, 62.2012
Hunter-Lab	34.6840, 47.5373, -16.9787

Details

The XYZ color **21.0308, 12.0298, 24.1352** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.2191, 28.1679, 12.1728**, and the grayscale version is **10.6047, 11.1569, 12.1499**.

A 20% lighter version of the original color is **44.6626, 29.6269, 50.9415**, and **7.9464, 3.9071, 8.9297** is the 20% darker color. If you saturate the color by 10%, you get **20.1513, 10.7459, 22.3768**, and if you desaturate by 10%, it is **22.1776, 13.8282, 26.0433**.

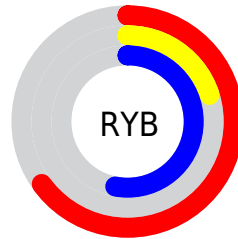
Distribution



Red (65%)

Green (20%)

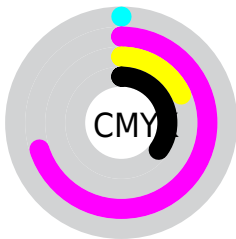
Blue (53%)



Red (65%)

Yellow (20%)

Blue (53%)

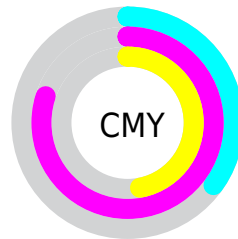


Cyan (0%)

Magenta (70%)

Yellow (18%)

Black (35%)



Cyan (35%)


Magenta (80%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0308, 12.0298, 24.1352 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 21.0308, 12.0298, 24.1352 by changing the saturation by 10% instead.

 21.0308, 12.0298,
24.1352


 21.0308, 12.0298,
24.1352


250.1707,
204.6025, 286.8118


 13.2591, 6.7640,
15.2208


 44.6297, 29.5494,
51.1973


 7.6854, 3.3149,
8.8262


 61.1876, 42.5719,
70.1822


 3.9444, 1.2983,
4.5327

 81.4049, 58.9488,
93.3609

 1.6707, 0.1399,
1.9219

 105.6471, 79.0644,
121.1520

 0.4379, 0.0000,
0.5066

 134.2794,
103.3032, 153.9742

 0.0000, 0.0000,
0.0000

 167.6672,

132.0496, 192.2458

206.1758,
165.6879, 236.3855

■ 21.0308, 12.0298,
24.1352

■ 21.0308, 12.0298,
24.1352

■ 20.1513, 10.7459,
22.3768

■ 22.1776, 13.8282,
26.0433

■ 19.5089, 9.9169,
20.7572

■ 23.6151, 16.1886,
28.1094

■ 19.0408, 9.4176,
19.2547

■ 25.3656, 19.1547,
30.3417

■ 19.0272, 9.4034,
19.2098

■ 27.4487, 22.7658,
32.7473

■ 29.8824, 27.0577,
35.3330

■ 32.6835, 32.0635,
38.1049

■ 35.8674, 37.8142,
41.0690

■ 39.4490, 44.3390,
44.2307

■ 43.4420, 51.6655,
47.5953

Harmonies

Analogous

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



17.3836, 12.0298, 42.2247



21.0308, 12.0298, 24.1352



21.8136, 12.0298, 10.0061

Triad

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



21.0308, 12.0298, 24.1352



10.2960, 12.0298, 0.8280



6.0564, 12.0298, 34.0261

Complementary

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



21.0308, 12.0298, 24.1352



16.2191, 28.1679, 12.1728

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.



5.0142, 12.0298, 16.7700



21.0308, 12.0298, 24.1352



7.0252, 12.0298, 1.8713

Square

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



21.0308, 12.0298, 24.1352



14.8230, 12.0298, 1.0924



5.3175, 12.0298, 6.0744



8.6054, 12.0298, 50.0230

Rectangle

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



21.0308, 12.0298, 24.1352



20.4584, 12.0298, 4.7656



5.3175, 12.0298, 6.0744



5.5518, 12.0298, 27.8643

Sweetspot

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



21.0312, 12.0304, 24.1354



52.7343, 47.0697, 62.4721



11.1365, 6.6501, 36.2941



11.2738, 9.8394, 13.3908



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0312, 12.0304, 24.1354



35.3689, 18.2856, 38.3506



18.0604, 10.8421, 8.4913



7.2850, 7.1705, 8.4875



14.4154, 7.1222, 14.6439



0.3206, 0.1567, 0.4007

Inverse Universe

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



21.0312, 12.0304, 24.1354



35.3689, 18.2856, 38.3506



19.2328, 29.3734, 28.0425



7.2850, 7.1705, 8.4875



14.4154, 7.1222, 14.6439



0.3206, 0.1567, 0.4007

Previews

White Background



This preview shows how the XYZ color 21.0308, 12.0298, 24.1352 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



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 21.0308, 12.0298, 24.1352

Background



This preview shows how black text looks on a background with the XYZ color 21.0308, 12.0298, 24.1352.



This preview shows how white text looks on a background with the XYZ color 21.0308, 12.0298,

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

21.0308, 12.0298, 24.1352

Protanopia

13.6792, 12.4011, 40.7024

Deuteranopia

12.5846, 12.3832, 22.1490



Tritanopia

17.5678, 11.9862, 7.6910

Trichromacy



Original Color

21.0308, 12.0298, 24.1352

Protanomaly

14.3095, 10.8045, 34.1322

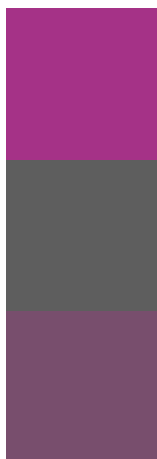
Deuteranomaly

14.5731, 11.2980, 22.8854

Tritanomaly

18.4780, 11.7591, 12.3622

Monochromacy



Original Color

21.0308, 12.0298, 24.1352

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.2304, 10.5460, 15.8063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0308, 12.0298, 24.1352 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(165, 50, 135)` looks like.

```
.text, #text, p{  
    color:rgb(165, 50, 135)  
}
```

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(165, 50, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 50, 135) }
```

Border

The CSS property to change the border of an element to XYZ 21.0308, 12.0298, 24.1352 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(165, 50, 135) }
```


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

```
.border{ border-color:rgb(165, 50, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 50, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 50, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 50, 135);  
box-shadow:4px 4px 4px 4px rgb(165, 50,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0308, 12.0298, 24.1352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 50, 135) }
```

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

```
.background{ background-color: rgb(165, 50,  
135) }
```

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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