

Converting Colors

XYZ(20.9861, 16.7542, 30.8350)

Have a look what the booklet for
XYZ(20.9861, 16.7542, 30.8350)
contains.

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Color

**XYZ(21.1222, 16.8765,
30.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6396
RGB	142, 99, 150
RGB Percent	56%, 39%, 59%
CMY	0.4431, 0.6118, 0.4118
CMYK	0.05, 0.34, 0.00, 0.41
HSL	291°, 20%, 49%
HSV	291°, 34%, 59%
XYZ	21.1222, 16.8765, 30.9984
YIQ	117.6710, 9.2570, 24.9770

Conversions

Conversions Part 2

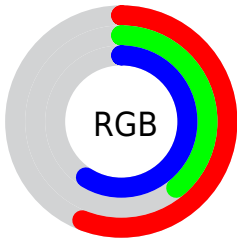
Format	Color
R_{YB}	142, 99, 150
Decimal	9331606
CIE Lab	48.10, 26.55, -21.05
CIE LCh	48, 33.876, 321.593
Yxy	16.8765, 0.3061, 0.2446
Android (android.graphics.Color)	4287521686 (0xFF8E6396)
YUV	117.6710, 15.9382, 21.3365
Hunter-Lab	41.0810, 19.8857, -15.9816

Details

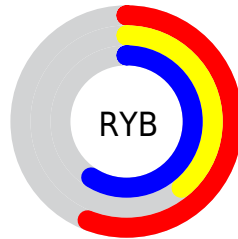
The XYZ color **21.1222, 16.8765, 30.9984** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2225, 25.8398, 15.7797**, and the grayscale version is **17.0674, 17.9563, 19.5544**.

A 20% lighter version of the original color is **44.5704, 37.9081, 62.0946**, and **7.7503, 5.4927, 12.4561** is the 20% darker color. If you saturate the color by 10%, you get **19.4317, 14.0881, 30.5495**, and if you desaturate by 10%, it is **23.0863, 20.1987, 31.5364**.

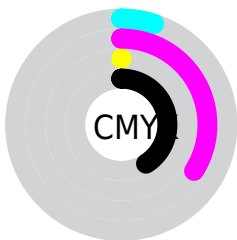
Distribution



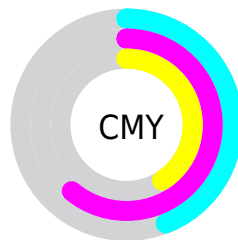
- Red (56%)
- Green (39%)
- Blue (59%)



- Red (56%)
- Yellow (39%)
- Blue (59%)



- Cyan (5%)
- Magenta (34%)
- Yellow (0%)
- Black (41%)



- Cyan (44%)
- Magenta (61%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1222, 16.8765, 30.9984 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 21.1222, 16.8765, 30.9984 by changing the saturation by 10% instead.

■ 21.1222, 16.8765,
30.9984

■ 21.1222, 16.8765,
30.9984

250.6466,
234.4597, 320.8819

■ 13.3263, 10.1465,
20.3392

■ 44.7806, 38.1133,
62.3171

■ 7.7322, 5.4962,
12.4553

■ 61.3738, 53.3889,
83.8137

■ 3.9744, 2.5412,
6.9283

■ 81.6301, 72.2818,
109.7597

■ 1.6877, 0.8972,
3.3395

■ 105.9150, 95.1764,
140.5739

■ 0.4485, 0.0000,
1.2705

134.5937,
122.4571, 176.6746

■ 0.0000, 0.0000,
0.0374

168.0317,

■ 0.0000, 0.0000,

154.5083, 218.4805

0.0000

206.5942,
191.7143, 266.4101

■ 21.1222, 16.8765,
30.9984

■ 21.1222, 16.8765,
30.9984

■ 19.4317, 14.0881,
30.5495

■ 23.0863, 20.1987,
31.5364

■ 17.9984, 11.8020,
30.1838

■ 25.3359, 24.0794,
32.1669

■ 16.8068, 9.9868,
29.8962

■ 27.8842, 28.5448,
32.8945

■ 15.8389, 8.6065,
29.6808

■ 30.7431, 33.6184,
33.7231

■ 15.0740, 7.6200,
29.5307

■ 33.9237, 39.3226,
34.6565

■ 14.4874, 6.9776,
29.4377

■ 37.4368, 45.6786,
35.6981

■ 14.1789, 6.6736,
29.3952

■ 41.2924, 52.7066,
36.8515

■ 45.5002, 60.4259,
38.1197

■ 50.0696, 68.8552,
39.5059

Harmonies

Analogous

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



18.3112, 16.8765, 38.9896



21.1222, 16.8765, 30.9984



22.6135, 16.8765, 20.9585

Triad

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



21.1222, 16.8765, 30.9984



16.9188, 16.8765, 6.2165



11.1564, 16.8765, 25.3215

Complementary

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



21.1222, 16.8765, 30.9984



19.2225, 25.8398, 15.7797

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.



10.8834, 16.8765, 16.0142



21.1222, 16.8765, 30.9984



13.9659, 16.8765, 6.7169

Square

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



21.1222, 16.8765, 30.9984



19.9921, 16.8765, 8.0607



11.8473, 16.8765, 9.7505



12.6474, 16.8765, 35.0509

Rectangle

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



21.1222, 16.8765, 30.9984



22.5420, 16.8765, 15.1851



11.8473, 16.8765, 9.7505



10.9274, 16.8765, 21.9845

Sweetspot

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



21.1228, 16.8772, 30.9988



46.3580, 45.3660, 57.2344



15.9613, 15.4754, 31.0002



10.1502, 9.8381, 12.6488



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.1228, 16.8772, 30.9988



34.9061, 25.8624, 54.0734



21.2737, 17.1019, 24.3706



5.9469, 5.8636, 7.2881



11.7815, 5.5462, 24.3806



0.1635, 0.0778, 0.2993

Inverse Universe

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



19.6939, 16.4700, 16.0518



32.0709, 25.0821, 23.1634



19.2049, 25.7267, 20.4773



5.8357, 5.8293, 6.2409



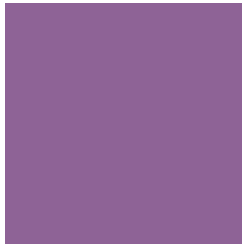
10.5726, 5.4341, 1.2306



0.1364, 0.0693, 0.0521

Previews

White Background



This preview shows how the XYZ color 21.1222, 16.8765, 30.9984 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 21.1222, 16.8765, 30.9984 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 21.1222, 16.8765, 30.9984

Background



This preview shows how black text looks on a background with the XYZ color 21.1222, 16.8765, 30.9984.



This preview shows how white text looks on a background with the XYZ color 21.1222, 16.8765,

30.9984.

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

21.1222, 16.8765, 30.9984

Protanopia

17.5937, 17.0928, 36.0902

Deuteranopia

17.2450, 16.8831, 29.9536



Tritanopia

18.5078, 16.8413, 18.1948

Trichromacy



Original Color

21.1222, 16.8765, 30.9984

Protanomaly

18.5186, 16.8043, 34.1658

Deuteranomaly

18.3487, 16.6466, 30.2630

Tritanomaly

19.3285, 16.7218, 22.2876

Monochromacy



Original Color

21.1222, 16.8765, 30.9984

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.4661, 17.4926, 23.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1222, 16.8765, 30.9984 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(142, 99, 150)` looks like.

```
.text, #text, p{  
    color:rgb(142, 99, 150)  
}
```

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(142, 99, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 99, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.1222, 16.8765, 30.9984 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(142, 99, 150) }
```


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

```
.border{ border-color:rgb(142, 99, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 99, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 99, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 99, 150);  
box-shadow:4px 4px 4px 4px rgb(142, 99,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1222, 16.8765, 30.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 99, 150) }
```

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

```
.background{ background-color: rgb(142, 99,  
150) }
```

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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