

Converting Colors

XYZ(21.0564, 16.9684, 44.8133)

Have a look what the booklet for
XYZ(21.0564, 16.9684, 44.8133)
contains.

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Color

**XYZ(21.0564, 16.9684,
44.8133)**

Conversions

Conversions Part 1

Format	Color
Hex	7B66B3
RGB	123, 102, 179
RGB Percent	48%, 40%, 70%
CMY	0.5176, 0.6000, 0.2980
CMYK	0.31, 0.43, 0.00, 0.30
HSL	256°, 34%, 55%
HSV	256°, 43%, 70%
XYZ	21.0564, 16.9684, 44.8133
YIQ	117.0570, -12.2010, 28.3990

Conversions

Conversions Part 2

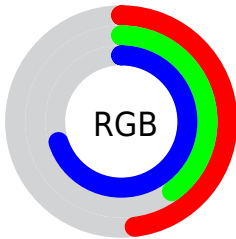
Format	Color
R_{YB}	123, 102, 179
Decimal	8087219
CIE _{Lab}	48.22, 25.73, -38.04
CIE _{LCh}	48, 45.929, 304.072
Yxy	16.9684, 0.2542, 0.2048
Android (android.graphics.Color)	4286277299 (0xFF7B66B3)
YUV	117.0570, 30.5379, 5.2120
Hunter-Lab	41.1927, 19.1562, -35.6663

Details

The XYZ color **21.0564, 16.9684, 44.8133** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **32.6194, 40.4690, 18.6631**, and the grayscale version is **16.8378, 17.7147, 19.2913**.

A 20% lighter version of the original color is **44.5181, 38.1277, 83.6103**, and **7.7306, 5.5783, 20.4079** is the 20% darker color. If you saturate the color by 10%, you get **17.7434, 12.9252, 44.2078**, and if you desaturate by 10%, it is **24.9981, 21.9002, 45.5578**.

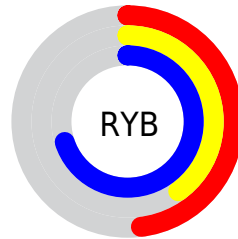
Distribution



Red (48%)

Green (40%)

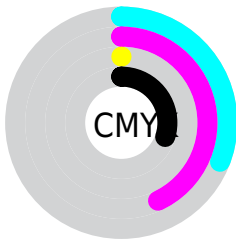
Blue (70%)



Red (48%)

Yellow (40%)

Blue (70%)

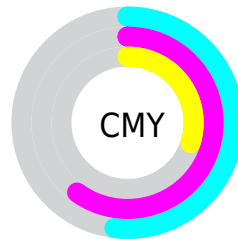


Cyan (31%)

Magenta (43%)

Yellow (0%)

Black (30%)



Cyan (52%)

Magenta (60%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0564, 16.9684, 44.8133 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 21.0564, 16.9684, 44.8133 by changing the saturation by 10% instead.

■ 21.0564, 16.9684,
44.8133

■ 21.0564, 16.9684,
44.8133

250.3041,
234.9902, 382.1549

■ 13.2779, 10.2120,
30.9685

■ 44.6719, 38.2714,
83.7557

■ 7.6985, 5.5397,
20.3166

■ 61.2397, 53.5868,
109.6903

■ 3.9528, 2.5673,
12.4390

■ 81.4680, 72.5240,
140.4920

■ 1.6755, 0.9102,
6.9173

■ 105.7221, 95.4673,
176.5793

■ 0.4408, 0.0000,
3.3328

134.3674,
122.8012, 218.3707

■ 0.0000, 0.0000,
1.2669

167.7693,

■ 0.0000, 0.0000,

154.9101, 266.2847

0.0345

206.2931,
192.1783, 320.7400

■ 0.0000, 0.0000,
0.0000

■ 21.0564, 16.9684,
44.8133

■ 21.0564, 16.9684,
44.8133

■ 17.7434, 12.9252,
44.2078

■ 24.9981, 21.9002,
45.5578

■ 15.0229, 9.7143,
43.7314

■ 29.5984, 27.7683,
46.4480

■ 12.8576, 7.2758,
43.3749

■ 34.8872, 34.6193,
47.4916

■ 11.2046, 5.5407,
43.1271

■ 40.8922, 42.4962,
48.6955

■ 10.0141, 4.4269,
42.9748

■ 47.6394, 51.4392,
50.0661

■ 9.3946, 3.9032,
42.9064

■ 55.1536, 61.4866,
51.6094

■ 63.4582, 72.6744,
53.3311

■ 72.5758, 85.0374,
55.2369

■ 79.8883, 93.3290,
56.4519

Harmonies

Analogous

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



16.7047, 16.9684, 52.2063



21.0564, 16.9684, 44.8133



24.4787, 16.9684, 30.4621

Triad

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



21.0564, 16.9684, 44.8133



19.8989, 16.9684, 4.5531



9.3725, 16.9684, 20.1567

Complementary

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



21.0564, 16.9684, 44.8133



32.6194, 40.4690, 18.6631

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.



9.9319, 16.9684, 10.1359



21.0564, 16.9684, 44.8133



15.5646, 16.9684, 3.7225

Square

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



21.0564, 16.9684, 44.8133



23.7336, 16.9684, 8.3567



12.0356, 16.9684, 5.2253



10.3502, 16.9684, 34.5811

Rectangle

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



21.0564, 16.9684, 44.8133



25.5032, 16.9684, 20.9536



12.0356, 16.9684, 5.2253



9.3883, 16.9684, 16.2013

Sweetspot

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



21.0570, 16.9690, 44.8137



62.2757, 61.7333, 85.0146



25.9233, 30.6933, 47.2063



13.3146, 13.0489, 18.7392



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.0570, 16.9690, 44.8137



31.8519, 23.2376, 79.1877



27.5933, 20.3386, 45.1196



8.2523, 8.3386, 10.6809



6.6935, 2.7864, 30.3220



0.2680, 0.1172, 0.9567

Inverse Universe

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



29.5138, 21.5557, 34.9534



49.3466, 32.7471, 57.8387



26.2600, 37.1907, 18.3655



8.7492, 8.6064, 10.1775



16.0212, 7.9260, 15.8032



0.5270, 0.2586, 0.6181

Previews

White Background



This preview shows how the XYZ color 21.0564, 16.9684, 44.8133 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 21.0564, 16.9684, 44.8133 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 21.0564, 16.9684, 44.8133

Background



This preview shows how black text looks on a background with the XYZ color 21.0564, 16.9684, 44.8133.



This preview shows how white text looks on a background with the XYZ color 21.0564, 16.9684,

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

21.0564, 16.9684, 44.8133

Protanopia

18.5274, 17.1040, 49.9019

Deuteranopia

17.4211, 17.0082, 43.4390



Tritanopia

16.2746, 16.9094, 21.1450

Trichromacy



Original Color

21.0564, 16.9684, 44.8133

Protanomaly

19.1565, 16.8246, 48.1368

Deuteranomaly

18.5487, 16.9229, 43.8838

Tritanomaly

17.7363, 16.8480, 28.3038

Monochromacy



Original Color

21.0564, 16.9684, 44.8133

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1355, 17.4037, 27.2144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0564, 16.9684, 44.8133 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(123, 102, 179)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 179)  
}
```

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(123, 102, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.0564, 16.9684, 44.8133 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(123, 102, 179) }
```


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

```
.border{ border-color:rgb(123, 102, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 102, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 179);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0564, 16.9684, 44.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 179) }
```

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

```
.background{ background-color: rgb(123,  
102, 179) }
```

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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