

Converting Colors

XYZ(21.0139, 12.2872, 18.0748)

Have a look what the booklet for
XYZ(21.0139, 12.2872, 18.0748)
contains.

XYZ(21.0164, 12.2864, 18.0934)	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(21.0164, 12.2864,
18.0934)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3475
RGB	170, 52, 117
RGB Percent	67%, 20%, 46%
CMY	0.3333, 0.7960, 0.5412
CMYK	0.00, 0.69, 0.31, 0.33
HSL	327°, 53%, 44%
HSV	327°, 69%, 67%
XYZ	21.0164, 12.2864, 18.0934
YIQ	94.6920, 49.4630, 45.2310

Conversions

Conversions Part 2

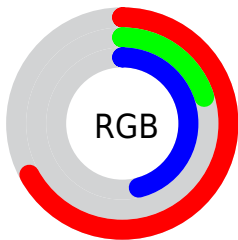
Format	Color
RYB	170, 52, 117
Decimal	11154549
CIELab	41.67, 53.78, -10.53
CIElCh	42, 54.803, 348.924
Yxy	12.2864, 0.4089, 0.2391
Android (android.graphics.Color)	4289344629 (0xFFAA3475)
YUV	94.6920, 10.9978, 66.0451
Hunter-Lab	35.0520, 45.6838, -6.0684

Details

The XYZ color **21.0164, 12.2864, 18.0934** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.3414, 30.4997, 18.2869**, and the grayscale version is **10.7707, 11.3316, 12.3401**.

A 20% lighter version of the original color is **44.4140, 29.8739, 40.9615**, and **8.0136, 4.0071, 5.9813** is the 20% darker color. If you saturate the color by 10%, you get **19.9588, 10.8605, 15.6153**, and if you desaturate by 10%, it is **22.3846, 14.2746, 20.8559**.

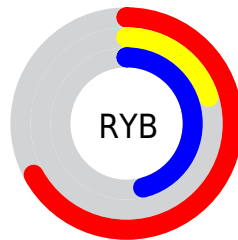
Distribution



Red (67%)

Green (20%)

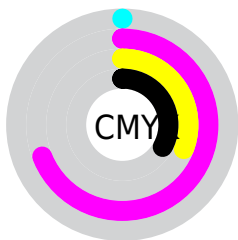
Blue (46%)



Red (67%)

Yellow (20%)

Blue (46%)

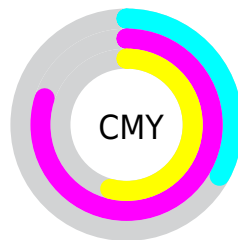


Cyan (0%)

Magenta (69%)

Yellow (31%)

Black (33%)



Cyan (33%)


Magenta (80%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0164, 12.2864, 18.0934 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 21.0164, 12.2864, 18.0934 by changing the saturation by 10% instead.


 21.0164, 12.2864,
18.0934


 21.0164, 12.2864,
18.0934

250.0957,
206.2922, 253.6507


 13.2485, 6.9390,
10.8469


 44.6059, 30.0157,
41.0125

 7.6781, 3.4240,
5.8511


 61.1582, 43.1664,
57.5222


 3.9397, 1.3569,
2.6874

 81.3694, 59.6869,
77.9567

 1.6681, 0.1846,
0.9371

 105.6048, 79.9618,
102.7346

 0.4362, 0.0000,
0.0000

 134.2298,
104.3754, 132.2745

 0.0000, 0.0000,
0.0000

 167.6097,

133.3121, 166.9947

206.1099,
167.1562, 207.3140

■ 21.0164, 12.2864,
18.0934

■ 21.0164, 12.2864,
18.0934

■ 19.9588, 10.8605,
15.6153

■ 22.3846, 14.2746,
20.8559

■ 19.1788, 9.9328,
13.4062

■ 24.0894, 16.8762,
23.9154

■ 18.6130, 9.3777,
11.4404

■ 26.1554, 20.1388,
27.2841

■ 18.5818, 9.3477,
11.3300

■ 28.6042, 24.1045,
30.9733

■ 31.4558, 28.8121,
34.9932

■ 34.7288, 34.2975,
39.3538

■ 38.4404, 40.5941,
44.0644

■ 42.6071, 47.7335,
49.1339

■ 47.2443, 55.7457,
54.5709

Harmonies

Analogous

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



18.5219, 12.2864, 33.8121



21.0164, 12.2864, 18.0934



20.6142, 12.2864, 7.4097

Triad

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



21.0164, 12.2864, 18.0934



9.3477, 12.2864, 1.4666



7.3024, 12.2864, 37.9420

Complementary

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



21.0164, 12.2864, 18.0934



18.3414, 30.4997, 18.2869

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.



5.7892, 12.2864, 21.9108



21.0164, 12.2864, 18.0934



6.7693, 12.2864, 3.4715

Square

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



21.0164, 12.2864, 18.0934



13.2255, 12.2864, 1.2943



5.6195, 12.2864, 9.5622



10.2559, 12.2864, 48.9469

Rectangle

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



21.0164, 12.2864, 18.0934



18.7767, 12.2864, 3.7369



5.6195, 12.2864, 9.5622



6.6405, 12.2864, 32.6449

Sweetspot

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



21.0168, 12.2870, 18.0936



55.9928, 50.4812, 62.0038



14.0933, 8.2506, 38.8799



12.1705, 10.7342, 13.3859



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0168, 12.2870, 18.0936



35.4328, 18.7421, 26.2299



18.6181, 11.3276, 5.4626



7.6975, 7.6089, 8.7243



13.6974, 6.8877, 8.4841



0.3585, 0.1777, 0.3392

Inverse Universe

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



21.0168, 12.2870, 18.0936



35.4328, 18.7421, 26.2299



22.3247, 32.0931, 39.2627



7.6975, 7.6089, 8.7243



13.6974, 6.8877, 8.4841



0.3585, 0.1777, 0.3392

Previews

White Background



This preview shows how the XYZ color 21.0164, 12.2864, 18.0934 looks on a white background.

Color Contrast Check

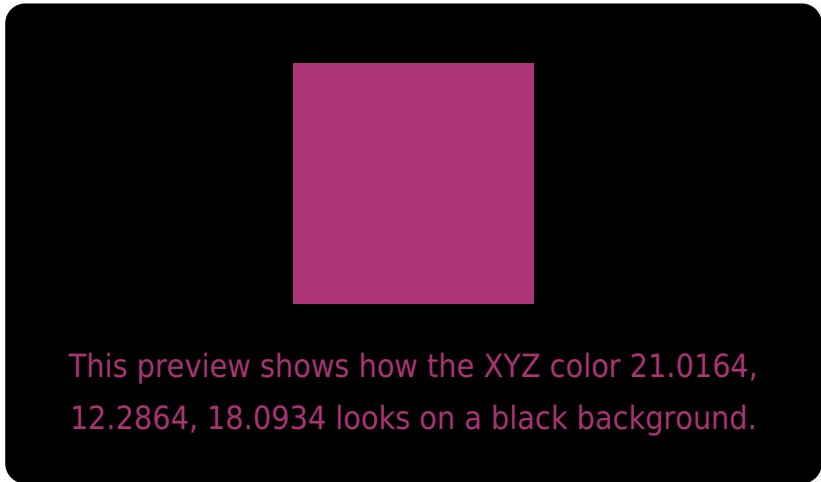
Large Text (above 18pt) WCAG AA ✓ Pass

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

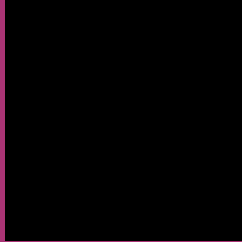
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0164, 12.2864, 18.0934

Background



This preview shows how black text looks on a background with the XYZ color 21.0164, 12.2864, 18.0934.



This preview shows how white text looks on a background with the XYZ color 21.0164, 12.2864,

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

21.0164, 12.2864, 18.0934

Protanopia

13.1858, 12.6546, 30.1814

Deuteranopia

12.7375, 12.5807, 16.7959



Tritanopia

18.6904, 12.3173, 7.0226

Trichromacy



Original Color

21.0164, 12.2864, 18.0934

Protanomaly

14.2678, 11.2017, 25.0771

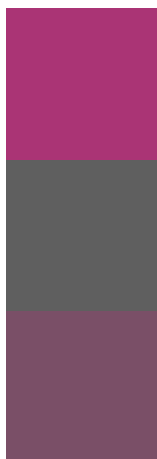
Deuteranomaly

14.6755, 11.5891, 17.0862

Tritanomaly

19.2319, 12.1191, 10.1297

Monochromacy



Original Color

21.0164, 12.2864, 18.0934

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.2702, 10.7088, 14.1996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0164, 12.2864, 18.0934 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(170, 52, 117)` looks like.

```
.text, #text, p{  
    color:rgb(170, 52, 117)  
}
```

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(170, 52, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 52, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.0164, 12.2864, 18.0934 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(170, 52, 117) }
```


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

```
.border{ border-color:rgb(170, 52, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 52, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 52, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 52, 117);  
box-shadow:4px 4px 4px 4px rgb(170, 52,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0164, 12.2864, 18.0934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 52, 117) }
```

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

```
.background{ background-color: rgb(170, 52,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor