

Converting Colors

XYZ(16.3901, 21.1327, 38.1359)

Have a look what the booklet for
XYZ(16.3901, 21.1327, 38.1359)
contains.

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Color

**XYZ(16.4490, 21.1974,
38.3465)**

Conversions

Conversions Part 1

Format	Color
Hex	228AA4
RGB	34, 138, 164
RGB Percent	13%, 54%, 64%
CMY	0.8666, 0.4588, 0.3569
CMYK	0.79, 0.16, 0.00, 0.36
HSL	192°, 66%, 39%
HSV	192°, 79%, 64%
XYZ	16.4490, 21.1974, 38.3465
YIQ	109.8680, -70.3300, -13.9620

Conversions

Conversions Part 2

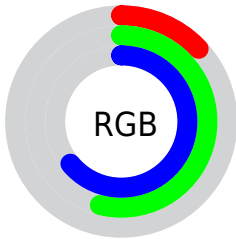
Format	Color
RYB	34, 92, 164
Decimal	2263716
CIELab	53.16, -19.49, -21.99
CIElCh	53, 29.382, 228.449
Yxy	21.1974, 0.2165, 0.2789
Android (android.graphics.Color)	4280453796 (0xFF228AA4)
YUV	109.8680, 26.6871, -66.5362
Hunter-Lab	46.0406, -16.7982, -17.1532

Details

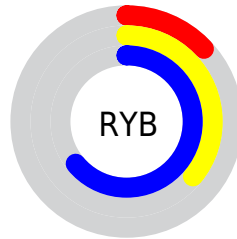
The XYZ color **16.4490, 21.1974, 38.3465** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.2152, 11.2408, 2.7765**, and the grayscale version is **14.7247, 15.4915, 16.8703**.

A 20% lighter version of the original color is **37.0026, 45.5804, 73.8655**, and **6.4144, 8.1493, 16.5641** is the 20% darker color. If you saturate the color by 10%, you get **15.5684, 20.0557, 38.1730**, and if you desaturate by 10%, it is **17.6031, 22.5020, 38.5379**.

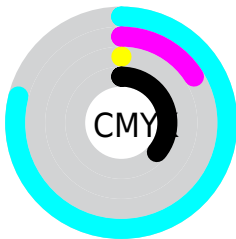
Distribution



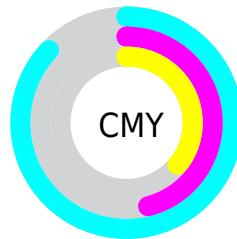
- Red (13%)
- Green (54%)
- Blue (64%)



- Red (13%)
- Yellow (36%)
- Blue (64%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4490, 21.1974, 38.3465 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 16.4490, 21.1974, 38.3465 by changing the saturation by 10% instead.

■ 16.4490, 21.1974,
38.3465

■ 16.4490, 21.1974,
38.3465

■ 225.1955,
258.3257, 354.4467

■ 9.9353, 13.2684,
25.9478

■ 36.9271, 45.4158,
73.8482

■ 5.4180, 7.6136,
16.5592

■ 51.6223, 62.4740,
97.7883

■ 2.5318, 3.8487,
9.7621

■ 69.7753, 83.3441,
126.4127

■ 0.9113, 1.5893,
5.1380

■ 91.7515, 108.4103,
160.1398

■ 0.0000, 0.3504,
2.2683

■ 117.9162,
138.0572, 199.3882

■ 0.0000, 0.0000,
0.7134

■ 148.6349,

■ 0.0000, 0.0000,

172.6692, 244.5765

0.0000

184.2729,
212.6305, 296.1231

■ 16.4490, 21.1974,
38.3465

■ 16.4490, 21.1974,
38.3465

■ 15.5684, 20.0557,
38.1730

■ 17.6031, 22.5020,
38.5379

■ 14.8918, 19.0397,
38.0125

■ 19.0613, 23.9842,
38.7471

■ 14.8441, 18.9667,
38.0009

■ 20.8520, 25.6593,
38.9761

■ 22.9998, 27.5402,
39.2259

■ 25.5269, 29.6384,
39.4977

■ 28.4537, 31.9646,
39.7925

■ 31.7991, 34.5288,
40.1111

■ 35.5808, 37.3402,
40.4544

■ 39.8152, 40.4075,
40.8233

Harmonies

Analogous

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



15.0085, 21.1974, 28.9112



16.4490, 21.1974, 38.3465



18.9781, 21.1974, 44.1547

Triad

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



16.4490, 21.1974, 38.3465



26.5655, 21.1974, 26.6678



18.3205, 21.1974, 10.3847

Complementary

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



16.4490, 21.1974, 38.3465



17.2152, 11.2408, 2.7765

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.



21.3640, 21.1974, 10.0759



16.4490, 21.1974, 38.3465



26.3430, 21.1974, 18.0915

Square

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



16.4490, 21.1974, 38.3465



24.9423, 21.1974, 36.3462



24.3626, 21.1974, 12.5225



16.0102, 21.1974, 13.5131

Rectangle

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



16.4490, 21.1974, 38.3465



21.0355, 21.1974, 44.4022



24.3626, 21.1974, 12.5225



19.2849, 21.1974, 9.9839

Sweetspot

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



16.4497, 21.1982, 38.3470



48.7983, 55.7767, 71.9464



14.7514, 27.2178, 8.7522



10.2857, 11.8875, 15.6899



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.



16.4497, 21.1982, 38.3470



27.3372, 35.0141, 69.0699



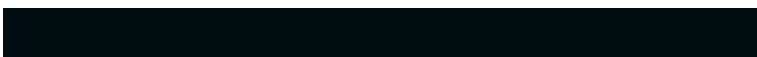
9.7439, 7.7866, 36.1118



7.1552, 7.7695, 9.0256



11.4155, 14.6104, 29.1482



0.2688, 0.3648, 0.6221

Inverse Universe

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



20.4699, 10.8723, 25.0652



35.4978, 17.5956, 41.3152



22.9330, 22.6763, 4.6824



7.3033, 7.1778, 8.5837



14.9075, 7.3191, 17.2353



0.3278, 0.1596, 0.4390

Previews

White Background



This preview shows how the XYZ color 16.4490, 21.1974, 38.3465 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 16.4490, 21.1974, 38.3465 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 16.4490, 21.1974, 38.3465

Background



This preview shows how black text looks on a background with the XYZ color 16.4490, 21.1974, 38.3465.



This preview shows how white text looks on a background with the XYZ color 16.4490, 21.1974,

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

16.4490, 21.1974, 38.3465

Protanopia

20.8578, 20.9557, 33.9559

Deuteranopia

21.3852, 20.9183, 39.4697



Tritanopia

15.2950, 21.1518, 32.9823

Trichromacy



Original Color

16.4490, 21.1974, 38.3465

Protanomaly

18.1787, 20.5086, 35.3482

Deuteranomaly

18.5709, 20.4321, 39.0414

Tritanomaly

15.6101, 21.0597, 34.6947

Monochromacy



Original Color

16.4490, 21.1974, 38.3465

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2254, 16.8385, 23.6195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4490, 21.1974, 38.3465 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(34, 138, 164)` looks like.

```
.text, #text, p{  
    color:rgb(34, 138, 164)  
}
```

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(34, 138, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 138, 164) }
```

Border

The CSS property to change the border of an element to XYZ 16.4490, 21.1974, 38.3465 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(34, 138, 164) }
```


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

```
.border{ border-color:rgb(34, 138, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 138, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 138, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 138, 164);  
box-shadow:4px 4px 4px 4px rgb(34, 138,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4490, 21.1974, 38.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 138, 164) }
```

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

```
.background{ background-color: rgb(34, 138,  
164) }
```

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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