

Converting Colors

XYZ(21.8188, 32.8243, 5.1858)

Have a look what the booklet for
XYZ(21.8188, 32.8243, 5.1858)
contains.

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Color

**XYZ(21.8990, 32.9077,
5.1976)**

Conversions

Conversions Part 1

Format	Color
Hex	75AB00
RGB	117, 171, 0
RGB Percent	46%, 67%, 0%
CMY	0.5412, 0.3294, 0.9999
CMYK	0.32, 0.00, 1.00, 0.33
HSL	79°, 100%, 34%
HSV	79°, 100%, 67%
XYZ	21.8990, 32.9077, 5.1976
YIQ	135.3600, 22.7070, -64.6290

Conversions

Conversions Part 2

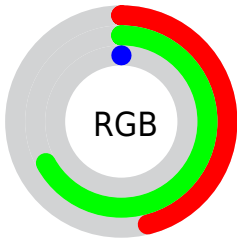
Format	Color
RYB	0, 171, 54
Decimal	7711488
CIELab	64.09, -38.67, 65.53
CIELCh	64, 76.090, 120.549
Yxy	32.9077, 0.3650, 0.5484
Android (android.graphics.Color)	4285901568 (0xFF75AB00)
YUV	135.3600, -66.7325, -16.1017
Hunter-Lab	57.3652, -32.2473, 34.7837

Details

The XYZ color **21.8990, 32.9077, 5.1976** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.8736, 3.7256, 38.7814**, and the grayscale version is **23.3991, 24.6177, 26.8086**.

A 20% lighter version of the original color is **46.1946, 64.4448, 16.6610**, and **8.4029, 13.9490, 2.2495** is the 20% darker color. If you saturate the color by 10%, you get **21.8990, 32.9088, 5.1978**, and if you desaturate by 10%, it is **22.7486, 33.3349, 5.7704**.

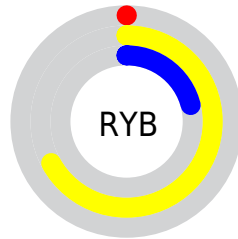
Distribution



Red (46%)

Green (67%)

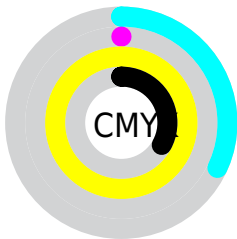
Blue (0%)



Red (0%)

Yellow (67%)

Blue (21%)

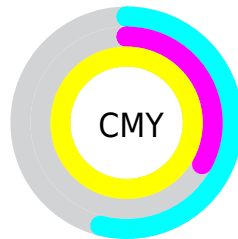


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8990, 32.9077, 5.1976 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 21.8990, 32.9077, 5.1976 by changing the saturation by 10% instead.

■ 21.8990, 32.9077,
5.1976

■ 21.8990, 32.9077,
5.1976

254.6607,
315.2336, 160.7289

■ 13.8989, 22.0557,
2.3029

■ 46.0591, 64.2314,
16.6891

■ 8.1316, 13.8979,
0.7328

■ 62.9498, 85.4719,
26.1231

■ 4.2318, 8.0497,
0.0000

■ 83.5348, 110.9441,
38.5738

■ 1.8341, 4.1267,
0.0000

■ 108.1793,
141.0324, 54.4600

■ 0.5381, 1.7447,
0.0000

■ 137.2488,
176.1210, 74.2000

■ 0.0000, 0.4524,
0.0000

■ 171.1087,

■ 0.0000, 0.0000,

216.5945, 98.2125

0.0000

210.1241,
262.8373, 126.9159

21.8990, 32.9077,
5.1976

21.8990, 32.9077,
5.1976

21.8990, 32.9088,
5.1978

22.7486, 33.3349,
5.7704

23.7277, 33.8178,
6.8067

24.8730, 34.3721,
8.4922

26.2011, 35.0046,
10.9114

27.7263, 35.7210,
14.1360

■ 29.4611, 36.5266,
18.2291

■ 31.4170, 37.4259,
23.2478

■ 33.6045, 38.4231,
29.2439

■ 36.0334, 39.5223,
36.2658

Harmonies

Analogous

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



31.0801, 32.9077, 3.2427



21.8990, 32.9077, 5.1976



16.5032, 32.9077, 13.8847

Triad

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



21.8990, 32.9077, 5.1976



22.1706, 32.9077, 116.1202



56.8534, 32.9077, 35.2667

Complementary

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



21.8990, 32.9077, 5.1976



8.8736, 3.7256, 38.7814

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.



52.9661, 32.9077, 73.5596



21.8990, 32.9077, 5.1976



31.4763, 32.9077, 133.6966

Square

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



21.8990, 32.9077, 5.1976



16.6329, 32.9077, 75.1580



43.0121, 32.9077, 114.8824



52.6852, 32.9077, 13.3690

Rectangle

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



21.8990, 32.9077, 5.1976



14.9901, 32.9077, 26.9576



43.0121, 32.9077, 114.8824



56.4377, 32.9077, 46.4645

Sweetspot

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



21.8998, 32.9092, 5.1983



56.0642, 66.9333, 41.1049



17.9930, 11.0534, 1.1856



12.1738, 14.7756, 8.3084



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.



21.8998, 32.9092, 5.1983



38.9895, 58.8173, 9.2979



15.2304, 29.4710, 4.8862



8.4129, 9.2015, 8.5460



16.5641, 24.8362, 3.9208



0.5140, 0.7184, 0.1116

Inverse Universe

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



8.8736, 3.7256, 38.7814



15.6954, 6.5705, 69.4429



17.6360, 8.2427, 39.1915



7.8081, 7.8754, 10.0613



6.7376, 2.8332, 29.2363



0.2449, 0.1084, 0.8160

Previews

White Background



This preview shows how the XYZ color 21.8990, 32.9077, 5.1976 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.8990, 32.9077, 5.1976 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 ✓ Pass

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

XYZ 21.8990, 32.9077, 5.1976

Background



This preview shows how black text looks on a background with the XYZ color 21.8990, 32.9077, 5.1976.



This preview shows how white text looks on a background with the XYZ color 21.8990, 32.9077,

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

21.8990, 32.9077, 5.1976

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.2139, 32.5793, 5.9767



Tritanopia

29.6760, 32.8432, 43.8050

Trichromacy



Original Color

21.8990, 32.9077, 5.1976

Protanomaly

26.0713, 32.3598, 4.8720

Deuteranomaly

27.9602, 32.0466, 5.4214

Tritanomaly

24.7596, 31.8877, 19.3180

Monochromacy



Original Color

21.8990, 32.9077, 5.1976

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.1717, 26.4409, 12.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8990, 32.9077, 5.1976 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(117, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 171, 0)  
}
```

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(117, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8990, 32.9077, 5.1976 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(117, 171, 0) }
```


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

```
.border{ border-color:rgb(117, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(117, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8990, 32.9077, 5.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 171, 0) }
```

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

```
.background{ background-color: rgb(117,  
171, 0) }
```

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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