

Converting Colors

XYZ(21.5772, 32.4625, 5.1286)

Have a look what the booklet for
XYZ(21.5772, 32.4625, 5.1286)
contains.

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Color

**XYZ(21.5772, 32.4625,
5.1286)**

Conversions

Conversions Part 1

Format	Color
Hex	74AA00
RGB	116, 170, 0
RGB Percent	45%, 67%, 0%
CMY	0.5451, 0.3333, 0.9999
CMYK	0.32, 0.00, 1.00, 0.33
HSL	79°, 100%, 33%
HSV	79°, 100%, 67%
XYZ	21.5772, 32.4625, 5.1286
YIQ	134.4740, 22.3860, -64.3180

Conversions

Conversions Part 2

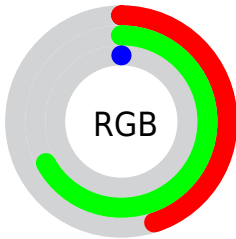
Format	Color
RYB	0, 170, 54
Decimal	7645696
CIELab	63.72, -38.62, 65.23
CIElCh	64, 75.801, 120.629
Yxy	32.4625, 0.3647, 0.5486
Android (android.graphics.Color)	4285835776 (0xFF74AA00)
YUV	134.4740, -66.2957, -16.2017
Hunter-Lab	56.9759, -32.1085, 34.5462

Details

The XYZ color **21.5772, 32.4625, 5.1286** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.7785, 3.6875, 38.2812**, and the grayscale version is **23.0673, 24.2686, 26.4285**.

A 20% lighter version of the original color is **45.6999, 63.7849, 16.5597**, and **8.2248, 13.6832, 2.2076** is the 20% darker color. If you saturate the color by 10%, you get **21.5773, 32.4636, 5.1289**, and if you desaturate by 10%, it is **22.4182, 32.8854, 5.6969**.

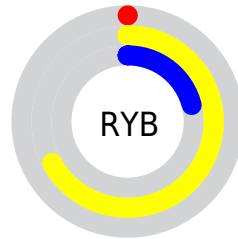
Distribution



Red (45%)

Green (67%)

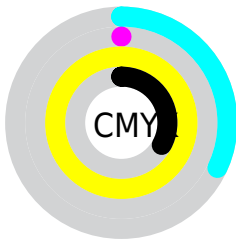
Blue (0%)



Red (0%)

Yellow (67%)

Blue (21%)

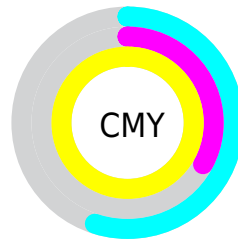


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5772, 32.4625, 5.1286 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 21.5772, 32.4625, 5.1286 by changing the saturation by 10% instead.


 21.5772, 32.4625,
5.1286


 21.5772, 32.4625,
5.1286


253.0044,
313.2207, 160.0470


 13.6614, 21.7150,
2.2629


 45.5303, 63.5354,
16.5388

 7.9657, 13.6476,
0.7103

 62.2983, 84.6297,
25.9202


 4.1246, 7.8760,
0.0000


 82.7478, 109.9416,
38.3107

 1.7729, 4.0157,
0.0000

 107.2440,
139.8557, 54.1288

 0.5012, 1.6824,
0.0000

 136.1525,
174.7562, 73.7929


 0.0000, 0.4122,
0.0000


 169.8384,


 0.0000, 0.0000,


215.0276, 97.7216


0.0000


 208.6673,
261.0543, 126.3335


 21.5772, 32.4625,
5.1286


 21.5772, 32.4625,
5.1286


 21.5773, 32.4636,
5.1289

 22.4182, 32.8854,
5.6969

 23.3872, 33.3633,
6.7216

 24.5207, 33.9119,
8.3870

 25.8350, 34.5380,
10.7762

 27.3442, 35.2471,
13.9599

■ 29.0607, 36.0443,
18.0003

■ 30.9957, 36.9342,
22.9535

■ 33.1597, 37.9211,
28.8708

■ 35.5622, 39.0087,
35.7998

Harmonies

Analogous

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



30.6309, 32.4625, 3.1903



21.5772, 32.4625, 5.1286



16.2622, 32.4625, 13.7237

Triad

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



21.5772, 32.4625, 5.1286



21.8847, 32.4625, 114.7200



56.1062, 32.4625, 34.7077

Complementary

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



21.5772, 32.4625, 5.1286



8.7785, 3.6875, 38.2812

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.



52.2882, 32.4625, 72.4828



21.5772, 32.4625, 5.1286



31.0794, 32.4625, 131.9895

Square

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



21.5772, 32.4625, 5.1286



16.4090, 32.4625, 74.2933



42.4703, 32.4625, 113.3178



51.9700, 32.4625, 13.1401

Rectangle

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



21.5772, 32.4625, 5.1286



14.7753, 32.4625, 26.6543



42.4703, 32.4625, 113.3178



55.7031, 32.4625, 45.7478

Sweetspot

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



21.5779, 32.4639, 5.1293



56.0311, 66.9162, 41.1034



17.8904, 11.1704, 1.2136



12.1656, 14.7713, 8.3081



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.



21.5779, 32.4639, 5.1293



38.9127, 58.7777, 9.2943



14.9460, 29.0451, 4.8189



7.9116, 8.6525, 8.0424



15.9314, 23.9102, 3.7755



0.4371, 0.6073, 0.0942

Inverse Universe

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



8.7785, 3.6875, 38.2812



15.7253, 6.5859, 69.4443



17.8768, 8.3779, 38.7070



7.3478, 7.4119, 9.4617



6.5091, 2.7390, 28.1611



0.2110, 0.0938, 0.6876

Previews

White Background



This preview shows how the XYZ color 21.5772, 32.4625, 5.1286 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 21.5772, 32.4625, 5.1286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

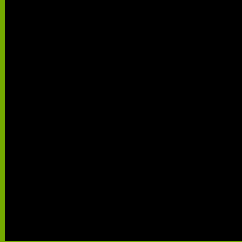
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5772, 32.4625, 5.1286

Background



This preview shows how black text looks on a background with the XYZ color 21.5772, 32.4625, 5.1286.



This preview shows how white text looks on a background with the XYZ color 21.5772, 32.4625,

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

21.5772, 32.4625, 5.1286

Protanopia

29.0112, 32.1099, 4.6688

Deuteranopia

32.7877, 32.1314, 5.8404



Tritanopia

29.2504, 32.3805, 43.2365

Trichromacy



Original Color

21.5772, 32.4625, 5.1286

Protanomaly

25.7077, 31.9139, 4.8051

Deuteranomaly

27.5735, 31.6002, 5.3080

Tritanomaly

24.4330, 31.4568, 19.2520

Monochromacy



Original Color

21.5772, 32.4625, 5.1286

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.8258, 26.0353, 12.5220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5772, 32.4625, 5.1286 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(116, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 170, 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(116, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5772, 32.4625, 5.1286 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(116, 170, 0) }
```


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

```
.border{ border-color:rgb(116, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5772, 32.4625, 5.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 170, 0) }
```

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

```
.background{ background-color: rgb(116,  
170, 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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