

Converting Colors

XYZ(28.5020, 41.7332, 22.7601)

Have a look what the booklet for
XYZ(28.5020, 41.7332, 22.7601)
contains.

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Color

**XYZ(28.4474, 41.6421,
22.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	72BE73
RGB	114, 190, 115
RGB Percent	45%, 75%, 45%
CMY	0.5529, 0.2549, 0.5490
CMYK	0.40, 0.00, 0.39, 0.25
HSL	121°, 37%, 60%
HSV	121°, 40%, 75%
XYZ	28.4474, 41.6421, 22.7581
YIQ	158.7260, -21.2210, -39.4370

Conversions

Conversions Part 2

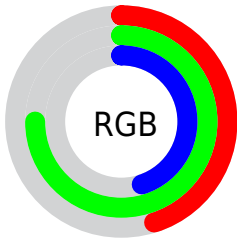
Format	Color
RYB	114, 189, 190
Decimal	7519859
CIELab	70.62, -38.92, 30.66
CIElCh	71, 49.546, 141.772
Yxy	41.6421, 0.3064, 0.4485
Android (android.graphics.Color)	4285709939 (0xFF72BE73)
YUV	158.7260, -21.5569, -39.2247
Hunter-Lab	64.5307, -34.2396, 24.2616

Details

The XYZ color **28.4474, 41.6421, 22.7581** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.4391, 26.6567, 51.3701**, and the grayscale version is **32.9326, 34.6477, 37.7313**.

A 20% lighter version of the original color is **56.6908, 77.7837, 49.0716**, and **11.6510, 18.9623, 8.2003** is the 20% darker color. If you saturate the color by 10%, you get **25.2566, 40.1106, 17.5383**, and if you desaturate by 10%, it is **32.3731, 43.5295, 29.1596**.

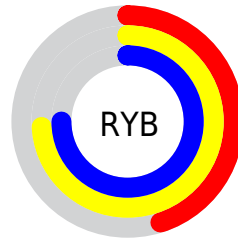
Distribution



Red (45%)

Green (75%)

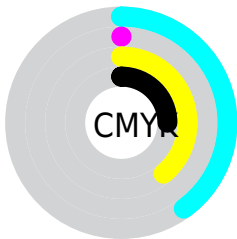
Blue (45%)



Red (45%)

Yellow (74%)

Blue (75%)

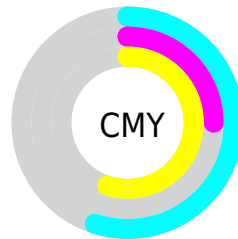


Cyan (40%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (55%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4474, 41.6421, 22.7581 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 28.4474, 41.6421, 22.7581 by changing the saturation by 10% instead.

■ 28.4474, 41.6421,
22.7581

■ 28.4474, 41.6421,
22.7581

286.6401,
352.9972, 279.5616

■ 18.8054, 28.8212,
14.2114

■ 56.6016, 77.6577,
48.9140

■ 11.6329, 18.9456,
8.1274

■ 75.8445, 101.6211,
67.3602

■ 6.5646, 11.6310,
4.0876

■ 99.0184, 130.0674,
89.9433

■ 3.2352, 6.4929,
1.6735

126.4886,
163.3811, 117.0819

■ 1.2794, 3.1471,
0.3425

158.6205,
201.9465, 149.1945

■ 0.1677, 1.2090,
0.0000

195.7795,

■ 0.0000, 0.0690,

246.1481, 186.6996

0.0000

238.3309,
296.3702, 230.0158

■ 0.0000, 0.0000,
0.0000

■ 28.4474, 41.6421,
22.7581

■ 28.4474, 41.6421,
22.7581

■ 25.2566, 40.1106,
17.5383

■ 32.3731, 43.5295,
29.1596

■ 22.7521, 38.9080,
13.4253

■ 37.0722, 45.7876,
36.8059

■ 20.8846, 38.0116,
10.3403


■ 42.5841, 48.4366,
45.7591


■ 19.5966, 37.3938,
8.1926


■ 48.9446, 51.4938,
56.0762


■ 18.8205, 37.0220,
6.8758

■ 56.1875, 54.9754,
67.8109

 18.4280, 36.8340,
6.2103

 64.3448, 58.8969,
81.0141

 73.4466, 63.2727,
95.7339

 77.7043, 65.3085,
103.1181

Harmonies

Analogous

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



34.0181, 41.6421, 15.0197



28.4474, 41.6421, 22.7581



25.9437, 41.6421, 39.1853

Triad

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



28.4474, 41.6421, 22.7581



37.3673, 41.6421, 106.2703



56.0892, 41.6421, 30.5784

Complementary

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



28.4474, 41.6421, 22.7581



36.4391, 26.6567, 51.3701

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.



57.3115, 41.6421, 52.1102



28.4474, 41.6421, 22.7581



45.7163, 41.6421, 101.4836

Square

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



28.4474, 41.6421, 22.7581



30.6084, 41.6421, 90.8303



53.2923, 41.6421, 79.3882



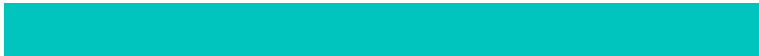
50.1519, 41.6421, 18.3282

Rectangle

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



28.4474, 41.6421, 22.7581



26.0716, 41.6421, 55.1851



53.2923, 41.6421, 79.3882



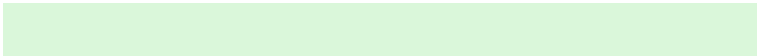
57.0951, 41.6421, 36.7436

Sweetspot

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



28.4485, 41.6439, 22.7590



74.8448, 86.6551, 79.1516



42.6877, 48.9911, 23.1262



16.1360, 18.8848, 16.8950



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.4485, 41.6439, 22.7590



46.4056, 72.9901, 32.8274



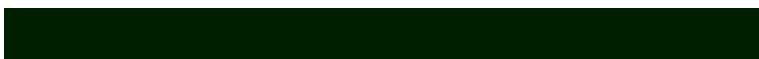
31.0215, 42.6731, 36.3085



9.4138, 10.6516, 10.1623



12.2553, 24.4924, 4.1414



0.4818, 0.9601, 0.1715

Inverse Universe

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



36.4391, 26.6567, 51.3701



62.8835, 42.0796, 91.8242



32.9212, 25.2495, 32.8453



9.9244, 9.6941, 11.9909



20.1224, 9.6801, 32.2679



0.7900, 0.3799, 1.2732

Previews

White Background



This preview shows how the XYZ color 28.4474, 41.6421, 22.7581 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 28.4474, 41.6421, 22.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

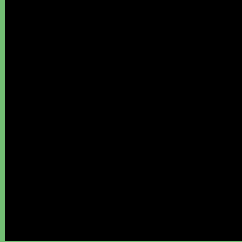
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4474, 41.6421, 22.7581

Background



This preview shows how black text looks on a background with the XYZ color 28.4474, 41.6421, 22.7581.



This preview shows how white text looks on a background with the XYZ color 28.4474, 41.6421,

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

28.4474, 41.6421, 22.7581

Protanopia

37.9528, 41.1526, 20.1303

Deuteranopia

42.0832, 41.2699, 23.8370



Tritanopia

35.3775, 41.3285, 57.7424

Trichromacy



Original Color

28.4474, 41.6421, 22.7581



Protanomaly

33.4865, 40.8615, 21.1611



Deuteranomaly

35.4791, 40.3747, 23.3759



Tritanomaly

32.3356, 41.3192, 42.3475

Monochromacy



Original Color

28.4474, 41.6421, 22.7581



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.6603, 36.5723, 31.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4474, 41.6421, 22.7581 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(114, 190, 115)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 115)  
}
```

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(114, 190, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 115) }
```

Border

The CSS property to change the border of an element to XYZ 28.4474, 41.6421, 22.7581 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(114, 190, 115) }
```


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

```
.border{ border-color:rgb(114, 190, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 190, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 190, 115); box-shadow:4px 4px 4px 4px rgb(114, 190, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4474, 41.6421, 22.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 115) }
```

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

```
.background{ background-color: rgb(114,  
190, 115) }
```

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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