

Converting Colors

XYZ(21.3579, 15.1300, 2.3184)

Have a look what the booklet for
XYZ(21.3579, 15.1300, 2.3184)
contains.

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Color

**XYZ(21.2573, 15.0974,
2.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	B24F11
RGB	178, 79, 17
RGB Percent	70%, 31%, 7%
CMY	0.3020, 0.6902, 0.9333
CMYK	0.00, 0.56, 0.90, 0.30
HSL	23°, 83%, 38%
HSV	23°, 90%, 70%
XYZ	21.2573, 15.0974, 2.3240
YIQ	101.5330, 78.9060, 1.7060

Conversions

Conversions Part 2

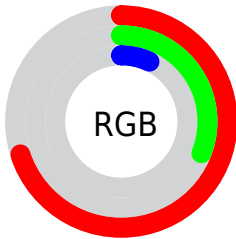
Format	Color
R_{YB}	178, 118, 17
Decimal	11685649
CIE Lab	45.77, 37.26, 51.02
CIE LCh	46, 63.176, 53.856
Yxy	15.0974, 0.5496, 0.3903
Android (android.graphics.Color)	4289875729 (0xFFB24F11)
YUV	101.5330, -41.6748, 67.0616
Hunter-Lab	38.8554, 29.6583, 23.6525

Details

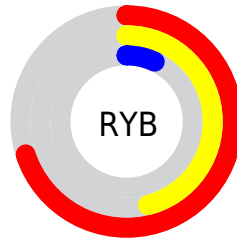
The XYZ color **21.2573, 15.0974, 2.3240** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.5120, 15.8233, 44.4087**, and the grayscale version is **12.5988, 13.2549, 14.4346**.

A 20% lighter version of the original color is **44.9612, 34.9079, 9.8370**, and **7.9106, 4.7303, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **20.4607, 13.6662, 1.5595**, and if you desaturate by 10%, it is **22.3125, 16.8891, 3.6587**.

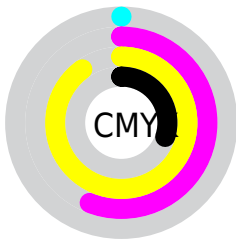
Distribution



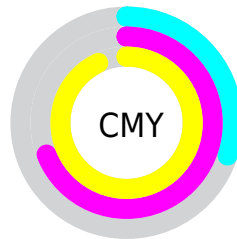
- Red (70%)
- Green (31%)
- Blue (7%)



- Red (70%)
- Yellow (46%)
- Blue (7%)



- Cyan (0%)
- Magenta (56%)
- Yellow (90%)
- Black (30%)





- Cyan (30%)
- Magenta (69%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2573, 15.0974, 2.3240 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 21.2573, 15.0974, 2.3240 by changing the saturation by 10% instead.


 21.2573, 15.0974,
2.3240


 21.2573, 15.0974,
2.3240


251.3487,
223.9550, 127.2208


 13.4257, 8.8878,
0.7446


 45.0034, 35.0240,
9.9090


 7.8014, 4.6681,
0.0000

 61.6487, 49.5097,
16.7680

 4.0188, 2.0538,
0.0000

 81.9626, 67.5229,
26.2294

 1.7128, 0.6385,
0.0000

 106.3104, 89.4480,
38.7117


 0.4643, 0.0000,
0.0000


 135.0576,
115.6693, 54.6334


 0.0000, 0.0000,
0.0000


 168.5695,


146.5714, 74.4132


 207.2114,
182.5384, 98.4694


 21.2573, 15.0974,
2.3240


 21.2573, 15.0974,
2.3240


 20.4607, 13.6662,
1.5595

 22.3125, 16.8891,
3.6587

 23.6371, 19.0054,
5.7430

 25.2548, 21.4654,
8.6733

 27.1862, 24.2855,
12.5312

 29.4495, 27.4812,
17.3884

■ 32.0614, 31.0667,
23.3098

■ 35.0374, 35.0554,
30.3544

■ 38.3920, 39.4602,
38.5771

■ 42.1389, 44.2931,
48.0290

Harmonies

Analogous

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



25.8662, 15.0974, 7.2182



21.2573, 15.0974, 2.3240



15.4709, 15.0974, 1.1344

Triad

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



21.2573, 15.0974, 2.3240



6.4009, 15.0974, 13.5020



18.8902, 15.0974, 60.3362

Complementary

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



21.2573, 15.0974, 2.3240



14.5120, 15.8233, 44.4087

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.



13.2839, 15.0974, 66.0554



21.2573, 15.0974, 2.3240



6.8880, 15.0974, 31.3364

Square

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



21.2573, 15.0974, 2.3240



7.5803, 15.0974, 4.5166



9.1285, 15.0974, 53.1883



24.2804, 15.0974, 40.4356

Rectangle

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



21.2573, 15.0974, 2.3240



12.0397, 15.0974, 1.2533



9.1285, 15.0974, 53.1883



16.9376, 15.0974, 64.3434

Sweetspot

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



21.2576, 15.0982, 2.3243



59.6801, 58.4165, 45.8616



21.7294, 11.1335, 17.6134



12.8381, 12.4230, 9.2650



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.2576, 15.0982, 2.3243



36.8980, 24.3703, 2.7592



30.8966, 34.3763, 5.5373



8.7558, 9.0240, 8.9329



14.6969, 9.8924, 1.1348



0.5199, 0.4263, 0.0549

Inverse Universe

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



14.5120, 15.8233, 44.4087



24.3474, 25.3787, 79.9965



8.8914, 4.5823, 42.5352



8.4623, 9.0708, 10.8112



9.7592, 10.3189, 31.6144



0.3615, 0.4335, 1.0129

Previews

White Background



This preview shows how the XYZ color 21.2573, 15.0974, 2.3240 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



This preview shows how the XYZ color 21.2573, 15.0974, 2.3240 looks on a 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 21.2573, 15.0974, 2.3240

Background



This preview shows how black text looks on a background with the XYZ color 21.2573, 15.0974, 2.3240.



This preview shows how white text looks on a background with the XYZ color 21.2573, 15.0974,

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

21.2573, 15.0974, 2.3240

Protanopia

13.8125, 15.2184, 3.1292

Deuteranopia

15.3315, 15.1038, 2.1073



Tritanopia

22.6463, 15.1509, 8.9386

Trichromacy



Original Color

21.2573, 15.0974, 2.3240

Protanomaly

15.8402, 14.6329, 2.7486

Deuteranomaly

17.1724, 14.7909, 2.1221

Tritanomaly

21.8887, 15.0381, 5.4904

Monochromacy



Original Color

21.2573, 15.0974, 2.3240

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3460, 13.2062, 7.7542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2573, 15.0974, 2.3240 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(178, 79, 17)` looks like.

```
.text, #text, p{  
    color:rgb(178, 79, 17)  
}
```

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(178, 79, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 79, 17) }
```

Border

The CSS property to change the border of an element to XYZ 21.2573, 15.0974, 2.3240 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(178, 79, 17) }
```


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

```
.border{ border-color:rgb(178, 79, 17) }
```

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

Here you see how a box with a 4 pixel rgb(178, 79, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 79, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 79, 17);  
box-shadow:4px 4px 4px 4px rgb(178, 79,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2573, 15.0974, 2.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 79, 17) }
```

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

```
.background{ background-color: rgb(178, 79,  
17) }
```

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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