

Converting Colors

XYZ(20.9751, 14.7588, 1.7433)

Have a look what the booklet for
XYZ(20.9751, 14.7588, 1.7433)
contains.

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Color

**XYZ(21.0140, 14.7727,
1.7439)**

Conversions

Conversions Part 1

Format	Color
Hex	B24D00
RGB	178, 77, 0
RGB Percent	70%, 30%, 0%
CMY	0.3020, 0.6980, 1.0000
CMYK	0.00, 0.57, 1.00, 0.30
HSL	26°, 100%, 35%
HSV	26°, 100%, 70%
XYZ	21.0140, 14.7727, 1.7439
YIQ	98.4210, 84.9130, -2.5350

Conversions

Conversions Part 2

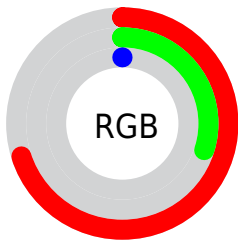
Format	Color
R _Y B	178, 136, 0
Decimal	11685120
CIE Lab	45.32, 38.02, 55.31
CIE LCh	45, 67.121, 55.495
Yxy	14.7727, 0.5599, 0.3936
Android (android.graphics.Color)	4289875200 (0xFFB24D00)
YUV	98.4210, -48.5216, 69.7908
Hunter-Lab	38.4353, 30.3309, 24.2146

Details

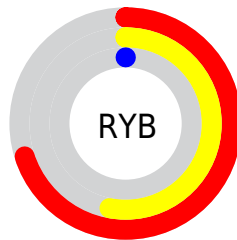
The XYZ color **21.0140, 14.7727, 1.7439** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.6894, 12.5214, 43.8673**, and the grayscale version is **11.8178, 12.4332, 13.5398**.

A 20% lighter version of the original color is **44.4181, 34.2691, 8.2765**, and **7.7055, 4.5207, 0.4665** is the 20% darker color. If you saturate the color by 10%, you get **21.0141, 14.7731, 1.7439**, and if you desaturate by 10%, it is **21.8843, 16.3415, 2.5647**.

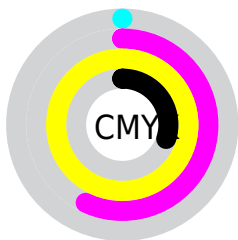
Distribution



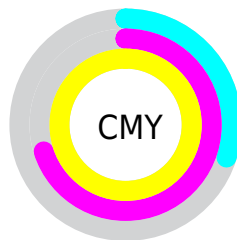
- Red (70%)
- Green (30%)
- Blue (0%)



- Red (70%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (100%)
- Black (30%)





- Cyan (30%)
- Magenta (70%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0140, 14.7727, 1.7439 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 21.0140, 14.7727, 1.7439 by changing the saturation by 10% instead.


 21.0140, 14.7727,
1.7439


 21.0140, 14.7727,
1.7439


 250.0832,
221.9863, 118.2641


 13.2468, 8.6600,
0.3906


 44.6019, 34.4539,
8.3280

 7.6769, 4.5201,
0.0000


 61.1533, 48.7913,
14.5022


 3.9389, 1.9685,
0.0000

 81.3635, 66.6390,
23.1557

 1.6676, 0.5891,
0.0000

 105.5978, 88.3814,
34.7073


 0.4359, 0.0000,
0.0000


 134.2215,
114.4029, 49.5754


 0.0000, 0.0000,
0.0000


 167.6001,


145.0880, 68.1785


 206.0989,
180.8210, 90.9352


 21.0140, 14.7727,
1.7439


 21.0140, 14.7727,
1.7439


 21.0141, 14.7731,
1.7439

 21.8843, 16.3415,
2.5647

 22.9661, 18.1773,
3.9357

 24.3015, 20.3048,
6.0556

 25.9124, 22.7396,
9.0192

 27.8180, 25.4956,
12.9072

■ 30.0353, 28.5858,
17.7907

■ 32.5799, 32.0224,
23.7337

■ 35.4662, 35.8167,
30.7948

■ 38.7078, 39.9795,
39.0283

Harmonies

Analogous

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



26.0784, 14.7727, 6.1739



21.0140, 14.7727, 1.7439



14.8981, 14.7727, 0.7849

Triad

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



21.0140, 14.7727, 1.7439



5.8491, 14.7727, 13.7966



19.1668, 14.7727, 62.6086

Complementary

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



21.0140, 14.7727, 1.7439



12.6894, 12.5214, 43.8673

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.



13.2174, 14.7727, 70.0312



21.0140, 14.7727, 1.7439



6.4298, 14.7727, 33.2025

Square

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



21.0140, 14.7727, 1.7439



6.9421, 14.7727, 4.2239



8.8114, 14.7727, 56.8410



24.8293, 14.7727, 40.4282

Rectangle

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



21.0140, 14.7727, 1.7439



11.3728, 14.7727, 0.9410



8.8114, 14.7727, 56.8410



17.0969, 14.7727, 67.3498

Sweetspot

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



21.0143, 14.7735, 1.7441



58.8261, 57.7299, 42.4280



20.8504, 10.4612, 13.9731



12.5932, 12.2002, 8.3607



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.



21.0143, 14.7735, 1.7441



37.8892, 26.3527, 3.0896



31.4868, 35.7185, 5.2350



8.7886, 9.0898, 8.9438



15.0961, 10.6908, 1.2679



0.5334, 0.4532, 0.0594

Inverse Universe

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



12.6894, 12.5214, 43.8673



22.7784, 22.2407, 79.4735



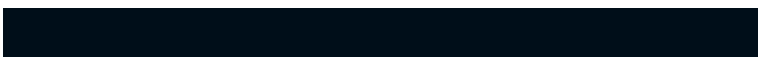
8.2044, 3.5515, 42.3723



8.4287, 9.0036, 10.7999



9.1427, 9.0858, 31.4089



0.3443, 0.3992, 1.0071

Previews

White Background



This preview shows how the XYZ color 21.0140, 14.7727, 1.7439 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 21.0140, 14.7727, 1.7439 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 21.0140, 14.7727, 1.7439

Background



This preview shows how black text looks on a background with the XYZ color 21.0140, 14.7727, 1.7439.



This preview shows how white text looks on a background with the XYZ color 21.0140, 14.7727,

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

21.0140, 14.7727, 1.7439

Protanopia

13.4898, 14.9032, 2.6959

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

22.4443, 14.8598, 8.5228

Trichromacy



Original Color

21.0140, 14.7727, 1.7439

Protanomaly

15.4904, 14.3243, 2.2650

Deuteranomaly

16.7652, 14.5847, 1.9315

Tritanomaly

21.5727, 14.6947, 4.4957

Monochromacy



Original Color

21.0140, 14.7727, 1.7439

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2781, 12.1722, 6.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0140, 14.7727, 1.7439 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 77, 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(178, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0140, 14.7727, 1.7439 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, 77, 0) }
```


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

```
.border{ border-color:rgb(178, 77, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0140, 14.7727, 1.7439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 77, 0) }
```

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

```
.background{ background-color: rgb(178, 77,  
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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