

Converting Colors

XYZ(21.3527, 11.6617, 1.1255)

Have a look what the booklet for
XYZ(21.3527, 11.6617, 1.1255)
contains.

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Color

**XYZ(21.4256, 11.6975,
1.1286)**

Conversions

Conversions Part 1

Format	Color
Hex	BD1D00
RGB	189, 29, 0
RGB Percent	74%, 11%, 0%
CMY	0.2588, 0.8862, 1.0000
CMYK	0.00, 0.85, 1.00, 0.26
HSL	9°, 100%, 37%
HSV	9°, 100%, 74%
XYZ	21.4256, 11.6975, 1.1286
YIQ	73.5340, 104.6690, 24.9010

Conversions

Conversions Part 2

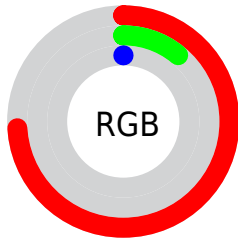
Format	Color
RYB	189, 34, 0
Decimal	12393728
CIELab	40.73, 59.77, 54.21
CIELCh	41, 80.688, 42.206
Yxy	11.6975, 0.6255, 0.3415
Android (android.graphics.Color)	4290583808 (0xFFBD1D00)
YUV	73.5340, -36.2523, 101.2637
Hunter-Lab	34.2016, 51.9685, 21.9846

Details

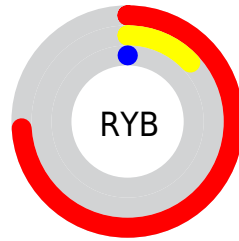
The XYZ color **21.4256, 11.6975, 1.1286** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.7534, 28.8104, 52.5581**, and the grayscale version is **6.4768, 6.8141, 7.4206**.

A 20% lighter version of the original color is **45.3200, 28.9731, 6.4525**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.4258, 11.6982, 1.1287**, and if you desaturate by 10%, it is **22.0417, 12.7433, 1.9097**.

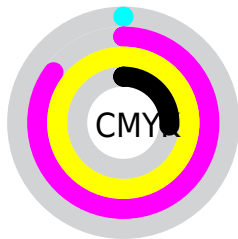
Distribution



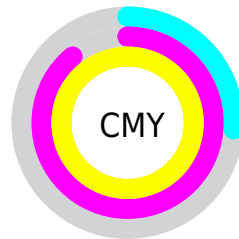
- Red (74%)
- Green (11%)
- Blue (0%)



- Red (74%)
- Yellow (13%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (26%)





- Cyan (26%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4256, 11.6975, 1.1286 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 21.4256, 11.6975, 1.1286 by changing the saturation by 10% instead.

 21.4256, 11.6975,
1.1286


 21.4256, 11.6975,
1.1286


 252.2209,
202.3922, 106.9017


 13.5497, 6.5380,
0.0000


 45.2807, 28.9430,
6.4812


 7.8877, 3.1749,
0.0000


 61.9907, 41.7977,
11.7917


 4.0744, 1.2237,
0.0000

 82.3760, 57.9864,
19.4164

 1.7443, 0.0810,
0.0000

 106.8021, 77.8934,
29.7738


 0.4838, 0.0000,
0.0000


 135.6342,
101.9031, 43.2825


 0.0000, 0.0000,
0.0000


 169.2379,


130.3999, 60.3610


 207.9783,
163.7681, 81.4279


 21.4256, 11.6975,
1.1286


 21.4256, 11.6975,
1.1286


 21.4258, 11.6982,
1.1287

 22.0417, 12.7433,
1.9097

 23.0022, 14.2962,
3.3641

 24.3718, 16.4205,
5.7169

 26.1920, 19.1654,
9.0838

 28.4985, 22.5749,
13.5633

■ 31.3238, 26.6890,
19.2420

■ 34.6972, 31.5442,
26.1978

■ 38.6459, 37.1748,
34.5024

■ 43.1953, 43.6128,
44.2217

Harmonies

Analogous

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



25.7175, 11.6975, 7.1673



21.4256, 11.6975, 1.1286



14.8321, 11.6975, 0.0000

Triad

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



21.4256, 11.6975, 1.1286



3.5864, 11.6975, 5.3283



13.6111, 11.6975, 75.0593

Complementary

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



21.4256, 11.6975, 1.1286



21.7534, 28.8104, 52.5581

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.



8.0825, 11.6975, 72.4939



21.4256, 11.6975, 1.1286



3.4573, 11.6975, 20.6304

Square

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



21.4256, 11.6975, 1.1286



5.2423, 11.6975, 0.7311



4.7959, 11.6975, 47.8140



20.2719, 11.6975, 53.2576

Rectangle

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



21.4256, 11.6975, 1.1286



10.6999, 11.6975, 0.0000



4.7959, 11.6975, 47.8140



11.5471, 11.6975, 77.3303

Sweetspot

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



21.4258, 11.6982, 1.1288



61.8297, 56.0469, 46.2676



27.3883, 13.3796, 34.6954



12.7265, 11.2346, 8.7688



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.4258, 11.6982, 1.1288



38.2662, 20.7361, 1.9856



28.0505, 24.9475, 3.3370



9.6453, 9.7665, 9.9534



14.4525, 7.9437, 0.7716



0.6041, 0.3871, 0.0429

Inverse Universe

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



21.7534, 28.8104, 52.5581



38.8168, 51.3122, 94.0846



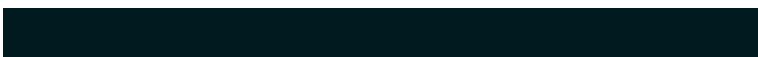
11.1423, 7.5882, 49.0211



9.6804, 10.5532, 12.1990



14.6816, 19.4750, 35.3781



0.6093, 0.8313, 1.3972

Previews

White Background



This preview shows how the XYZ color 21.4256, 11.6975, 1.1286 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



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 21.4256, 11.6975, 1.1286

Background



This preview shows how black text looks on a background with the XYZ color 21.4256, 11.6975, 1.1286.



This preview shows how white text looks on a background with the XYZ color 21.4256, 11.6975,

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

21.4256, 11.6975, 1.1286

Protanopia

10.9527, 12.1122, 2.5712

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.5770, 11.7195, 2.0446

Trichromacy



Original Color

21.4256, 11.6975, 1.1286

Protanomaly

13.1162, 10.2885, 1.7465

Deuteranomaly

14.2228, 10.5834, 1.2932

Tritanomaly

21.4950, 11.6867, 1.6131

Monochromacy



Original Color

21.4256, 11.6975, 1.1286

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.2286, 6.9444, 3.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4256, 11.6975, 1.1286 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(189, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 29, 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(189, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4256, 11.6975, 1.1286 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(189, 29, 0) }
```


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

```
.border{ border-color:rgb(189, 29, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 29, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 29, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4256, 11.6975, 1.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 29, 0) }
```

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

```
.background{ background-color: rgb(189, 29,  
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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