

Converting Colors

XYZ(21.6132, 11.9387, 1.1653)

Have a look what the booklet for
XYZ(21.6132, 11.9387, 1.1653)
contains.

XYZ(21.5301, 11.9065, 1.1634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5301, 11.9065,
1.1634)**

Conversions

Conversions Part 1

Format	Color
Hex	BD2100
RGB	189, 33, 0
RGB Percent	74%, 13%, 0%
CMY	0.2588, 0.8705, 1.0000
CMYK	0.00, 0.83, 1.00, 0.26
HSL	10°, 100%, 37%
HSV	10°, 100%, 74%
XYZ	21.5301, 11.9065, 1.1634
YIQ	75.8820, 103.5690, 22.8090

Conversions

Conversions Part 2

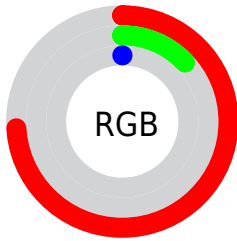
Format	Color
R _Y B	189, 40, 0
Decimal	12394752
CIE Lab	41.07, 58.81, 54.34
CIE LCh	41, 80.076, 42.736
Yxy	11.9065, 0.6223, 0.3441
Android (android.graphics.Color)	4290584832 (0xFFBD2100)
YUV	75.8820, -37.4098, 99.2045
Hunter-Lab	34.5058, 50.9910, 22.1550

Details

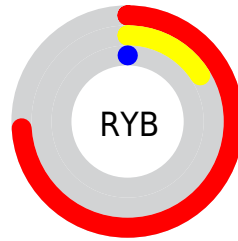
The XYZ color **21.5301, 11.9065, 1.1634** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.0712, 27.4461, 52.3308**, and the grayscale version is **6.9022, 7.2616, 7.9079**.

A 20% lighter version of the original color is **45.5184, 29.3333, 6.6310**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.5303, 11.9072, 1.1635**, and if you desaturate by 10%, it is **22.1850, 13.0298, 1.9574**.

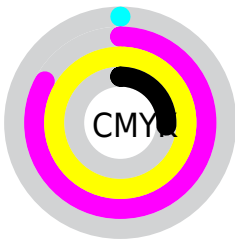
Distribution



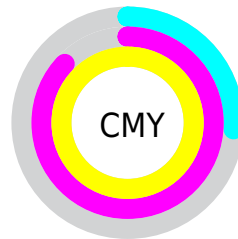
- Red (74%)
- Green (13%)
- Blue (0%)



- Red (74%)
- Yellow (16%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (26%)





- Cyan (26%)
- Magenta (87%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5301, 11.9065, 1.1634 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 21.5301, 11.9065, 1.1634 by changing the saturation by 10% instead.


 21.5301, 11.9065,
1.1634


 21.5301, 11.9065,
1.1634


 252.7612,
203.7853, 107.6191


 13.6267, 6.6800,
0.0000


 45.4528, 29.3247,
6.5923


 7.9414, 3.2628,
0.0000


 62.2028, 42.2852,
11.9571


 4.1090, 1.2704,
0.0000

 82.6323, 58.5926,
19.6468

 1.7640, 0.1181,
0.0000

 107.1068, 78.6311,
30.0801

 0.4958, 0.0000,
0.0000


 135.9916,
102.7853, 43.6754


 0.0000, 0.0000,
0.0000


 169.6520,


131.4394, 60.8514


 208.4534,
164.9780, 82.0264


 21.5301, 11.9065,
1.1634


 21.5301, 11.9065,
1.1634

 21.5303, 11.9072,
1.1635

 22.1850, 13.0298,
1.9574

 23.1781, 14.6481,
3.4226

 24.5719, 16.8207,
5.7834

 26.4058, 19.5932,
9.1550

 28.7142, 23.0063,
13.6350

■ 31.5278, 27.0971,
19.3097

■ 34.8749, 31.8997,
26.2567

■ 38.7815, 37.4460,
34.5471

■ 43.2718, 43.7660,
44.2468

Harmonies

Analogous

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



25.8823, 11.9065, 7.1632



21.5301, 11.9065, 1.1634



14.9239, 11.9065, 0.0000

Triad

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



21.5301, 11.9065, 1.1634



3.7036, 11.9065, 5.6567



13.9323, 11.9065, 74.8311

Complementary

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



21.5301, 11.9065, 1.1634



21.0712, 27.4461, 52.3308

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.



8.3434, 11.9065, 72.7676



21.5301, 11.9065, 1.1634



3.5973, 11.9065, 21.2690

Square

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



21.5301, 11.9065, 1.1634



5.3515, 11.9065, 0.8383



4.9854, 11.9065, 48.4914



20.5959, 11.9065, 52.8785

Rectangle

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



21.5301, 11.9065, 1.1634



10.7974, 11.9065, 0.0000



4.9854, 11.9065, 48.4914



11.8526, 11.9065, 77.2464

Sweetspot

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



21.5303, 11.9072, 1.1636



62.1512, 56.6899, 46.3747



27.1146, 13.2702, 33.2546



12.8005, 11.3826, 8.7934



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.



21.5303, 11.9072, 1.1636



38.4417, 21.0870, 2.0441



28.4469, 25.7404, 3.4691



9.6613, 9.7986, 9.9587



14.5265, 8.0917, 0.7962



0.6111, 0.4012, 0.0452

Inverse Universe

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



21.0712, 27.4461, 52.3308



37.5805, 48.8396, 93.6725



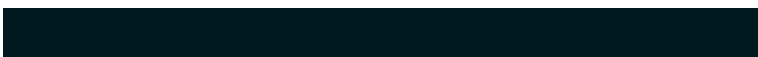
10.9627, 7.2291, 48.9613



9.6630, 10.5182, 12.1931



14.2272, 18.5662, 35.2267



0.5952, 0.8030, 1.3925

Previews

White Background



This preview shows how the XYZ color 21.5301, 11.9065, 1.1634 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 21.5301, 11.9065, 1.1634

Background



This preview shows how black text looks on a background with the XYZ color 21.5301, 11.9065, 1.1634.



This preview shows how white text looks on a background with the XYZ color 21.5301, 11.9065,

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

21.5301, 11.9065, 1.1634

Protanopia

10.9527, 12.1122, 2.5712

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

21.7106, 11.8925, 2.3795

Trichromacy



Original Color

21.5301, 11.9065, 1.1634

Protanomaly

13.1825, 10.4210, 1.7686

Deuteranomaly

14.4660, 10.8024, 1.3226

Tritanomaly

21.6203, 11.8989, 1.7733

Monochromacy



Original Color

21.5301, 11.9065, 1.1634

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.4855, 7.2270, 3.6913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5301, 11.9065, 1.1634 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, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 33, 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, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5301, 11.9065, 1.1634 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, 33, 0) }
```


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

```
.border{ border-color:rgb(189, 33, 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, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5301, 11.9065, 1.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 33, 0) }
```

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

```
.background{ background-color: rgb(189, 33,  
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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