

Converting Colors

XYZ(20.0560, 8.9822, 0.8196)

Have a look what the booklet for
XYZ(20.0560, 8.9822, 0.8196)
contains.

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Color

**XYZ(21.0137, 10.8298,
1.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0005
RGB	189, 0, 5
RGB Percent	74%, 0%, 2%
CMY	0.2588, 0.9999, 0.9804
CMYK	0.00, 1.00, 0.97, 0.26
HSL	358°, 100%, 37%
HSV	358°, 100%, 74%
XYZ	21.0137, 10.8298, 1.1264
YIQ	57.0810, 111.0390, 41.6230

Conversions

Conversions Part 2

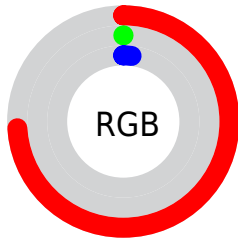
Format	Color
RYB	189, 0, 5
Decimal	12386309
CIELab	39.29, 64.01, 51.75
CIElCh	39, 82.313, 38.957
Yxy	10.8298, 0.6374, 0.3285
Android (android.graphics.Color)	4290576389 (0xFFBD0005)
YUV	57.0810, -25.6759, 115.6930
Hunter-Lab	32.9087, 56.3903, 21.0067

Details

The XYZ color **21.0137, 10.8298, 1.1264** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.8534, 39.8574, 51.6447**, and the grayscale version is **3.9248, 4.1292, 4.4967**.

A 20% lighter version of the original color is **44.5562, 27.3718, 6.4249**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.0133, 10.8296, 1.1254**, and if you desaturate by 10%, it is **21.3767, 11.3458, 1.8953**.

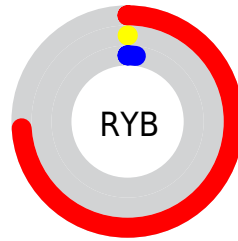
Distribution



Red (74%)

Green (0%)

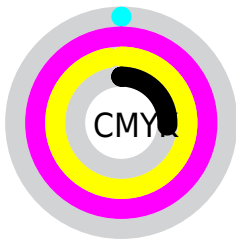
Blue (2%)



Red (74%)

Yellow (0%)

Blue (2%)

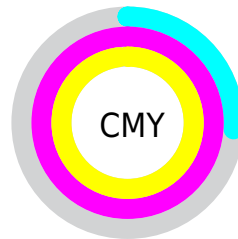


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0137, 10.8298, 1.1264 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 21.0137, 10.8298, 1.1264 by changing the saturation by 10% instead.


 21.0137, 10.8298,
1.1264


 21.0137, 10.8298,
1.1264


 250.0816,
196.4961, 106.8560

 13.2465, 5.9525,
0.0000


 44.6014, 27.3450,
6.4741


 7.6767, 2.8162,
0.0000


 61.1527, 39.7517,
11.7811


 3.9388, 1.0366,
0.0000

 81.3628, 55.4370,
19.4017

 1.6676, 0.0000,
0.0000

 105.5969, 74.7853,
29.7543


 0.4359, 0.0000,
0.0000


 134.2205, 98.1809,
43.2575


 0.0000, 0.0000,
0.0000


 167.5989,


126.0084, 60.3298


 206.0975,
158.6520, 81.3898


 21.0137, 10.8298,
1.1264


 21.0137, 10.8298,
1.1264


 21.0133, 10.8296,
1.1254

 21.3767, 11.3458,
1.8953

 22.0885, 12.3603,
3.3941

 23.2575, 14.0475,
5.7899

 24.9429, 16.4966,
9.1933

 27.1952, 19.7833,
13.6989

■ 30.0589, 23.9741,
19.3903

■ 33.5739, 29.1290,
26.3432

■ 37.7770, 35.3025,
34.6269

■ 42.7020, 42.5455,
44.3057

Harmonies

Analogous

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



24.8315, 10.8298, 7.6470



21.0137, 10.8298, 1.1264



14.6175, 10.8298, 0.0000

Triad

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



21.0137, 10.8298, 1.1264



3.2033, 10.8298, 3.8731



12.0448, 10.8298, 75.0140

Complementary

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



21.0137, 10.8298, 1.1264



26.8534, 39.8574, 51.6447

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.



6.9191, 10.8298, 69.4430



21.0137, 10.8298, 1.1264



2.9437, 10.8298, 17.2152

Square

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



21.0137, 10.8298, 1.1264



4.9385, 10.8298, 0.2613



4.0279, 10.8298, 43.3082



18.5605, 10.8298, 55.0607

Rectangle

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



21.0137, 10.8298, 1.1264



10.4888, 10.8298, 0.0000



4.0279, 10.8298, 43.3082



10.1004, 10.8298, 76.2824

Sweetspot

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



21.0139, 10.8305, 1.1265



59.7883, 51.6669, 46.5036



28.6430, 13.7055, 49.2796



12.2604, 10.2352, 8.8211



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.



21.0139, 10.8305, 1.1265



37.6217, 19.3906, 1.9446



24.4941, 17.8343, 2.1524



9.5401, 9.5403, 9.9669



14.1430, 7.2883, 0.7806



0.5575, 0.2869, 0.0491

Inverse Universe

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



21.0139, 10.8305, 1.1265



37.6217, 19.3906, 1.9446



13.8216, 12.9462, 49.9142



9.5401, 9.5403, 9.9669



14.1430, 7.2883, 0.7806



0.5575, 0.2869, 0.0491

Previews

White Background



This preview shows how the XYZ color 21.0137, 10.8298, 1.1264 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 21.0137, 10.8298, 1.1264

Background



This preview shows how black text looks on a background with the XYZ color 21.0137, 10.8298, 1.1264.

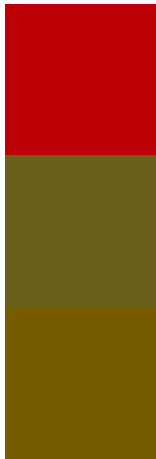


This preview shows how white text looks on a background with the XYZ color 21.0137, 10.8298,

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

21.0137, 10.8298, 1.1264

Protanopia

10.4217, 11.5617, 2.6021

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9553, 11.1240, 1.0427

Trichromacy



Original Color

21.0137, 10.8298, 1.1264

Protanomaly

12.0945, 8.6995, 1.6140

Deuteranomaly

13.2011, 9.0502, 1.1085

Tritanomaly

20.8697, 10.9351, 1.0682

Monochromacy



Original Color

21.0137, 10.8298, 1.1264

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.8064, 4.4050, 2.3252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0137, 10.8298, 1.1264 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, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 5)  
}
```

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, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 21.0137, 10.8298, 1.1264 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, 0, 5) }
```


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

```
.border{ border-color:rgb(189, 0, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 0, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(189, 0, 5); box-shadow:4px  
4px 4px 4px rgb(189, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0137, 10.8298, 1.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 5) }
```

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

```
.background{ background-color: rgb(189, 0,  
5) }
```

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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