

Converting Colors

XYZ(21.8084, 12.9348, 1.8662)

Have a look what the booklet for
XYZ(21.8084, 12.9348, 1.8662)
contains.

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Color

**XYZ(21.7353, 12.8865,
1.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3211
RGB	187, 50, 17
RGB Percent	73%, 20%, 7%
CMY	0.2667, 0.8039, 0.9333
CMYK	0.00, 0.73, 0.91, 0.27
HSL	12°, 83%, 40%
HSV	12°, 91%, 73%
XYZ	21.7353, 12.8865, 1.8721
YIQ	87.2010, 92.2450, 18.7810

Conversions

Conversions Part 2

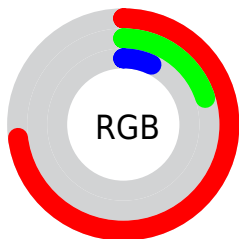
Format	Color
RYB	187, 58, 17
Decimal	12268049
CIELab	42.59, 53.21, 49.40
CIELCh	43, 72.605, 42.874
Yxy	12.8865, 0.5956, 0.3531
Android (android.graphics.Color)	4290458129 (0xFFBB3211)
YUV	87.2010, -34.6091, 87.5237
Hunter-Lab	35.8978, 45.2567, 22.0364

Details

The XYZ color **21.7353, 12.8865, 1.8721** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.7548, 26.8151, 51.0952**, and the grayscale version is **9.1618, 9.6389, 10.4968**.

A 20% lighter version of the original color is **45.9211, 31.2106, 8.7582**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.1336, 11.8453, 1.1725**, and if you desaturate by 10%, it is **22.7021, 14.4800, 3.2437**.

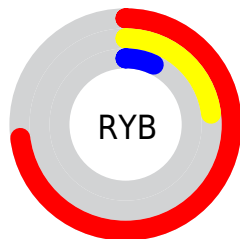
Distribution



Red (73%)

Green (20%)

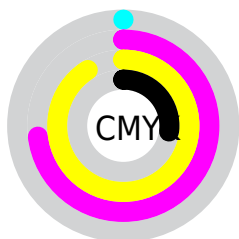
Blue (7%)



Red (73%)

Yellow (23%)

Blue (7%)

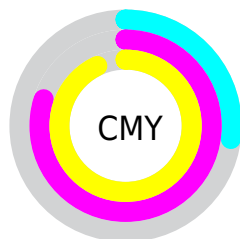


Cyan (0%)

Magenta (73%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (80%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7353, 12.8865, 1.8721 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 21.7353, 12.8865, 1.8721 by changing the saturation by 10% instead.


 21.7353, 12.8865,
1.8721


 21.7353, 12.8865,
1.8721


253.8192,
210.1890, 120.3580


 13.7780, 7.3504,
0.4749


 45.7902, 31.0997,
8.6881


 8.0471, 3.6822,
0.0000


 62.6186, 44.5457,
15.0221


 4.1772, 1.4974,
0.0000

 83.1348, 61.3970,
23.8648

 1.8028, 0.2869,
0.0000

 107.7040, 82.0382,
35.6348

 0.5194, 0.0000,
0.0000


 136.6917,
106.8536, 50.7505


 0.0000, 0.0000,
0.0000


 170.4633,


136.2276, 69.6306


 209.3840,
170.5446, 92.6936


 21.7353, 12.8865,
1.8721


 21.7353, 12.8865,
1.8721


 21.1336, 11.8453,
1.1725

 22.7021, 14.4800,
3.2437

 24.0482, 16.5939,
5.4752

 25.8111, 19.2707,
8.6802

 28.0233, 22.5477,
12.9549

 30.7139, 26.4588,
18.3837

■ 33.9094, 31.0354,
25.0424

■ 37.6344, 36.3068,
33.0004

■ 41.9119, 42.3006,
42.3221

■ 46.7634, 49.0427,
53.0673

Harmonies

Analogous

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



25.7020, 12.8865, 8.3122



21.7353, 12.8865, 1.8721



15.6296, 12.8865, 0.2830

Triad

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



21.7353, 12.8865, 1.8721



4.6725, 12.8865, 6.8750



14.7560, 12.8865, 69.0144

Complementary

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



21.7353, 12.8865, 1.8721



20.7548, 26.8151, 51.0952

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.



9.3935, 12.8865, 67.3481



21.7353, 12.8865, 1.8721



4.5667, 12.8865, 21.9093

Square

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



21.7353, 12.8865, 1.8721



6.3750, 12.8865, 1.4876



6.0232, 12.8865, 46.3222



20.9332, 12.8865, 49.9303

Rectangle

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



21.7353, 12.8865, 1.8721



11.7261, 12.8865, 0.0643



6.0232, 12.8865, 46.3222



12.7856, 12.8865, 71.1251

Sweetspot

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



21.7356, 12.8873, 1.8723



62.9385, 58.7187, 49.5293



26.6804, 13.3603, 32.5510



13.3803, 12.2493, 9.8898



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.



21.7356, 12.8873, 1.8723



37.7219, 20.9576, 2.0571



29.0049, 27.4259, 4.2954



9.6761, 9.8283, 9.9637



14.6024, 8.2435, 0.8215



0.6176, 0.4141, 0.0474

Inverse Universe

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



20.7548, 26.8151, 51.0952



35.6272, 45.5511, 91.1159



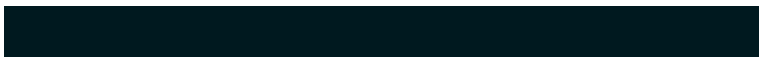
11.4435, 8.1924, 47.9915



9.6469, 10.4861, 12.1878



13.8215, 17.7547, 35.0914



0.5825, 0.7776, 1.3882

Previews

White Background



This preview shows how the XYZ color 21.7353, 12.8865, 1.8721 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 21.7353, 12.8865, 1.8721

Background



This preview shows how black text looks on a background with the XYZ color 21.7353, 12.8865, 1.8721.



This preview shows how white text looks on a background with the XYZ color 21.7353, 12.8865,

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

21.7353, 12.8865, 1.8721

Protanopia

11.9251, 13.1739, 3.1426

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

22.2891, 12.9378, 4.1188

Trichromacy



Original Color

21.7353, 12.8865, 1.8721

Protanomaly

14.2532, 11.9194, 2.4692

Deuteranomaly

15.2233, 11.9947, 1.6851

Tritanomaly

22.1299, 12.9388, 3.0813

Monochromacy



Original Color

21.7353, 12.8865, 1.8721

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.4867, 9.4563, 5.7773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7353, 12.8865, 1.8721 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(187, 50, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 50, 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(187, 50, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 50, 17) }
```

Border

The CSS property to change the border of an element to XYZ 21.7353, 12.8865, 1.8721 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(187, 50, 17) }
```


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

```
.border{ border-color:rgb(187, 50, 17) }
```

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

Here you see how a box with a 4 pixel rgb(187, 50, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 50, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 50, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 50,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7353, 12.8865, 1.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 50, 17) }
```

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

```
.background{ background-color: rgb(187, 50,  
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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