

Converting Colors

XYZ(71.8141, 82.4087, 12.1216)

Have a look what the booklet for
XYZ(71.8141, 82.4087, 12.1216)
contains.

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Color

**XYZ(71.8145, 82.4091,
12.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE00
RGB	255, 238, 0
RGB Percent	100%, 93%, 0%
CMY	0.0000, 0.0666, 0.9999
CMYK	0.00, 0.07, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	71.8145, 82.4091, 12.1215
YIQ	215.9510, 86.5300, -70.4140

Conversions

Conversions Part 2

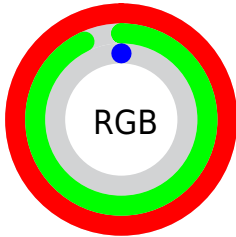
Format	Color
R _Y B	18, 255, 0
Decimal	16772608
CIE Lab	92.76, -13.37, 91.30
CIE LCh	93, 92.271, 98.332
Yxy	82.4091, 0.4317, 0.4954
Android (android.graphics.Color)	4294962688 (0xFFFFEE00)
YUV	215.9510, -106.4638, 34.2460
Hunter-Lab	90.7795, -17.6549, 55.6288

Details

The XYZ color **71.8145, 82.4091, 12.1215** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.2511, 7.6219, 95.1160**, and the grayscale version is **65.9029, 69.3350, 75.5058**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **38.9258, 45.2044, 6.6737** is the 20% darker color. If you saturate the color by 10%, you get **71.8155, 82.4116, 12.1220**, and if you desaturate by 10%, it is **72.4946, 83.4798, 13.2425**.

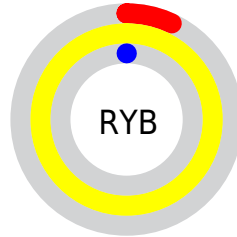
Distribution



Red (100%)

Green (93%)

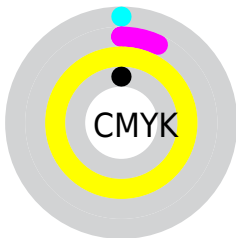
Blue (0%)



Red (7%)

Yellow (100%)

Blue (0%)

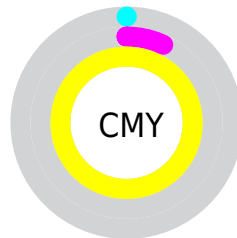


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8145, 82.4091, 12.1215 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 71.8145, 82.4091, 12.1215 by changing the saturation by 10% instead.


 71.8145, 82.4091,
12.1215

 71.8145, 82.4091,
12.1215


456.0633,
503.0151, 216.2144


 53.2921, 61.7028,
6.7029


 120.8050,
136.7476, 30.3839

 38.2644, 44.7926,
3.2014


 152.0038,
171.1485, 44.0648


 26.3661, 31.2941,
1.1984


 188.1587,
210.8831, 61.3369

 17.2318, 20.8229,
0.0000

 229.6352,
256.3358, 82.6188

 10.4963, 12.9946,
0.0000

 276.7985,
307.8909, 108.3289

 5.7940, 7.4248,
0.0000

 330.0141,

 2.7597, 3.7292,

365.9329, 138.8859

0.0000

389.6472,
430.8462, 174.7082

■ 1.0280, 1.5233,
0.0000

■ 0.0000, 0.3050,
0.0000

■ 71.8145, 82.4091,
12.1215

■ 71.8145, 82.4091,
12.1215

■ 71.8155, 82.4116,
12.1220

■ 72.4946, 83.4798,
13.2425

■ 73.4135, 84.6502,
15.6057

■ 74.6448, 85.9533,
19.5916

■ 76.2329, 87.4065,
25.4324

■ 78.2145, 89.0247,
33.3226

■ 80.6221, 90.8208,
43.4324

■ 83.4846, 92.8065,
55.9142

■ 86.8283, 94.9923,
70.9067

■ 90.6777, 97.3880,
88.5382

Harmonies

Analogous

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



96.6766, 82.4091, 14.3409



71.8145, 82.4091, 12.1215



53.0003, 82.4091, 20.7692

Triad

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



71.8145, 82.4091, 12.1215



47.3590, 82.4091, 199.5106



129.6542, 82.4091, 148.0645

Complementary

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



71.8145, 82.4091, 12.1215



18.2511, 7.6219, 95.1160

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.



110.6585, 82.4091, 238.9099



71.8145, 82.4091, 12.1215



62.4605, 82.4091, 277.7128

Square

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



71.8145, 82.4091, 12.1215



40.8972, 82.4091, 110.3254



85.2226, 82.4091, 294.9683



133.5836, 82.4091, 71.8710

Rectangle

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



71.8145, 82.4091, 12.1215



45.1881, 82.4091, 36.6049



85.2226, 82.4091, 294.9683



124.6563, 82.4091, 178.7869

Sweetspot

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



71.8164, 82.4130, 12.1232



83.4813, 92.8046, 55.8963



41.3414, 21.3011, 2.4642



17.5979, 19.6797, 10.7741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



71.8164, 82.4130, 12.1232



71.8162, 82.4124, 12.1221



47.3515, 77.4951, 12.4633



19.4515, 20.8711, 19.1477



37.5697, 43.1507, 6.3488



3.6880, 4.2614, 0.6281

Inverse Universe

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



18.2511, 7.6219, 95.1160



18.2504, 7.6207, 95.1168



24.5454, 10.5691, 95.3532



17.1002, 17.5720, 22.7404



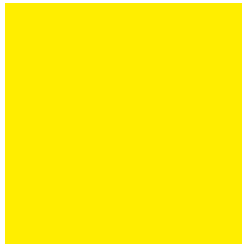
9.5722, 4.0540, 49.7126



0.9644, 0.4596, 4.8511

Previews

White Background



This preview shows how the XYZ color 71.8145, 82.4091, 12.1215 looks on a white background.

Color Contrast Check

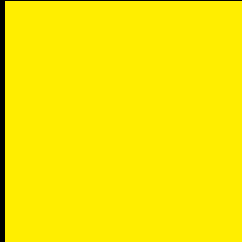
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 71.8145, 82.4091, 12.1215 looks on a black 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8145, 82.4091, 12.1215

Background



This preview shows how black text looks on a background with the XYZ color 71.8145, 82.4091, 12.1215.



This preview shows how white text looks on a background with the XYZ color 71.8145, 82.4091,

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

71.8145, 82.4091, 12.1215



Protanopia

75.6820, 82.5701, 36.7597



Deuteranopia

80.1247, 82.5353, 65.7407



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



Original Color

71.8145, 82.4091, 12.1215



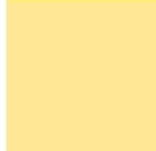
Protanomaly

73.0386, 81.9722, 21.4239



Deuteranomaly

74.4936, 81.6379, 31.9101



Tritanomaly

75.4018, 80.6462, 40.8703

Monochromacy



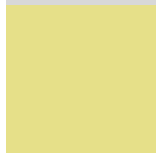
Original Color

71.8145, 82.4091, 12.1215



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.8041, 71.9404, 34.1900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8145, 82.4091, 12.1215 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(255, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 0) }
```

Border

The CSS property to change the border of an element to XYZ 71.8145, 82.4091, 12.1215 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(255, 238, 0) }
```


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

```
.border{ border-color:rgb(255, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8145, 82.4091, 12.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 0) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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