

Converting Colors

XYZ(21.2109, 12.7126, 78.8214)

Have a look what the booklet for
XYZ(21.2109, 12.7126, 78.8214)
contains.

XYZ(21.2885, 12.6991, 79.1710)	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(21.2885, 12.6991,
79.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	5948EA
RGB	89, 72, 234
RGB Percent	35%, 28%, 92%
CMY	0.6509, 0.7177, 0.0824
CMYK	0.62, 0.69, 0.00, 0.08
HSL	246°, 79%, 60%
HSV	246°, 69%, 92%
XYZ	21.2885, 12.6991, 79.1710
YIQ	95.5510, -41.8700, 53.9860

Conversions

Conversions Part 2

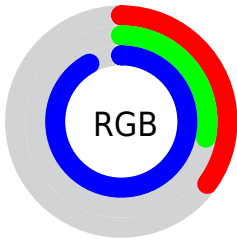
Format	Color
R _Y B	89, 72, 234
Decimal	5851370
CIE Lab	42.31, 52.33, -79.32
CIE LCh	42, 95.024, 303.415
Yxy	12.6991, 0.1881, 0.1122
Android (android.graphics.Color)	4284041450 (0xFF5948EA)
YUV	95.5510, 68.2554, -5.7452
Hunter-Lab	35.6358, 44.2716, -106.7778

Details

The XYZ color **21.2885, 12.6991, 79.1710** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **59.2052, 74.0641, 17.3061**, and the grayscale version is **10.8584, 11.4239, 12.4406**.

A 20% lighter version of the original color is **38.1464, 27.9114, 97.9846**, and **8.2624, 3.8276, 41.8983** is the 20% darker color. If you saturate the color by 10%, you get **18.3214, 9.3350, 78.6784**, and if you desaturate by 10%, it is **25.4040, 17.5089, 79.8828**.

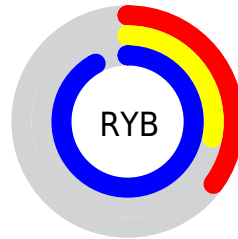
Distribution



Red (35%)

Green (28%)

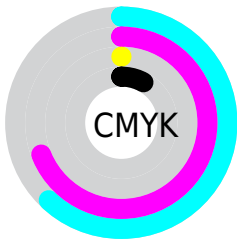
Blue (92%)



Red (35%)

Yellow (28%)

Blue (92%)

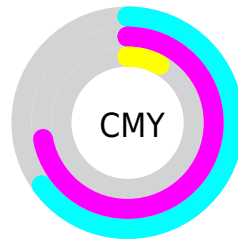


Cyan (62%)

Magenta (69%)

Yellow (0%)

Black (8%)



Cyan (65%)

Magenta (72%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2885, 12.6991, 79.1710 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 21.2885, 12.6991, 79.1710 by changing the saturation by 10% instead.

■ 21.2885, 12.6991,
79.1710

■ 21.2885, 12.6991,
79.1710

251.5106,
208.9801, 511.7675

■ 13.4487, 7.2217,
58.5143

■ 45.0549, 30.7621,
134.0004

■ 7.8174, 3.6011,
41.8048

■ 61.7121, 44.1165,
169.0102

■ 4.0291, 1.4530,
28.6240

■ 82.0393, 60.8654,
209.6414

■ 1.7186, 0.2553,
18.5535

■ 106.4017, 81.3931,
256.3125

■ 0.4679, 0.0000,
11.1745

■ 135.1646,
106.0840, 309.4422

■ 0.0000, 0.0000,
6.0687

168.6935,

■ 0.0000, 0.0000,

135.3226, 369.4489

2.8174

207.3537,
169.4931, 436.7511

■ 0.0000, 0.0000,
1.0022

■ 0.0000, 0.0000,
0.0000

■ 21.2885, 12.6991,
79.1710

■ 21.2885, 12.6991,
79.1710

■ 18.3214, 9.3350,
78.6784

■ 25.4040, 17.5089,
79.8828

■ 16.3812, 7.2516,
78.3785

■ 30.7680, 23.9033,
80.8344

■ 15.3014, 6.2016,
78.2328

■ 37.4725, 32.0056,
82.0449

■ 15.2417, 6.1418,
78.2244

■ 45.6000, 41.9267,
83.5315

■ 55.2261, 53.7682,
85.3098

■ 66.4215, 67.6241,
87.3942

■ 79.2519, 83.5822,
89.7982

■ 91.8513, 98.7205,
92.0561

Harmonies

Analogous

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



12.9041, 12.6991, 101.5152



21.2885, 12.6991, 79.1710



28.9199, 12.6991, 39.8448

Triad

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



21.2885, 12.6991, 79.1710



19.2925, 12.6991, 0.0000



2.9126, 12.6991, 16.2965

Complementary

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



21.2885, 12.6991, 79.1710



59.2052, 74.0641, 17.3061

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.



3.4998, 12.6991, 2.6558



21.2885, 12.6991, 79.1710



11.2729, 12.6991, 0.0000

Square

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



21.2885, 12.6991, 79.1710



27.4843, 12.6991, 1.5240



5.9914, 12.6991, 0.0000



3.8694, 12.6991, 48.6101

Rectangle

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



21.2885, 12.6991, 79.1710



31.4189, 12.6991, 18.8290



5.9914, 12.6991, 0.0000



2.9383, 12.6991, 9.8002

Sweetspot

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



21.2893, 12.6994, 79.1714



64.7941, 62.4792, 103.2524



42.5434, 57.3575, 86.6710



13.1547, 12.4939, 21.9682



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.



21.2893, 12.6994, 79.1714



21.1447, 10.1168, 95.4460



33.5737, 19.0323, 79.7463



14.3780, 14.6246, 18.9873



8.6144, 3.4768, 43.9600



0.7257, 0.2984, 3.4542

Inverse Universe

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



48.7723, 27.1364, 68.3068



56.7929, 28.8838, 79.5063



40.8763, 64.6152, 16.4483



15.6427, 15.2849, 18.6697



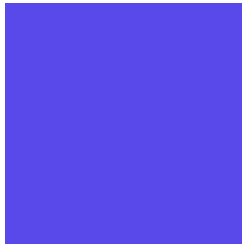
25.5930, 12.4399, 35.2536



2.0293, 0.9847, 2.8716

Previews

White Background



This preview shows how the XYZ color 21.2885, 12.6991, 79.1710 looks on a white background.

Color Contrast Check

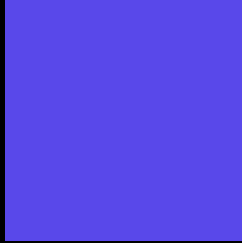
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.2885, 12.6991, 79.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

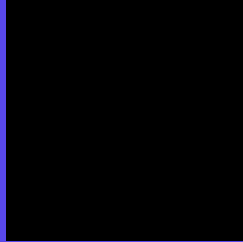
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2885, 12.6991, 79.1710

Background



This preview shows how black text looks on a background with the XYZ color 21.2885, 12.6991, 79.1710.



This preview shows how white text looks on a background with the XYZ color 21.2885, 12.6991,

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

21.2885, 12.6991, 79.1710

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

9.2591, 12.6659, 19.4095

Trichromacy



Original Color

21.2885, 12.6991, 79.1710

Protanomaly

16.1415, 11.9785, 65.0797

Deuteranomaly

14.1871, 11.7294, 53.1460

Tritanomaly

11.7882, 11.5433, 35.3250

Monochromacy



Original Color

21.2885, 12.6991, 79.1710

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.1107, 11.2189, 28.6686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2885, 12.6991, 79.1710 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(89, 72, 234)` looks like.

```
.text, #text, p{  
    color:rgb(89, 72, 234)  
}
```

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(89, 72, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 72, 234) }
```

Border

The CSS property to change the border of an element to XYZ 21.2885, 12.6991, 79.1710 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(89, 72, 234) }
```


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

```
.border{ border-color:rgb(89, 72, 234) }
```

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

Here you see how a box with a 4 pixel rgb(89, 72, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 72, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 72, 234);  
box-shadow:4px 4px 4px 4px rgb(89, 72,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2885, 12.6991, 79.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 72, 234) }
```

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

```
.background{ background-color: rgb(89, 72,  
234) }
```

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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