

Converting Colors

XYZ(21.2899, 12.8085, 86.9389)

Have a look what the booklet for
XYZ(21.2899, 12.8085, 86.9389)
contains.

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Color

**XYZ(21.2995, 12.8290,
86.9416)**

Conversions

Conversions Part 1

Format	Color
Hex	454BF4
RGB	69, 75, 244
RGB Percent	27%, 29%, 96%
CMY	0.7294, 0.7059, 0.0431
CMYK	0.72, 0.69, 0.00, 0.04
HSL	238°, 89%, 61%
HSV	238°, 72%, 96%
XYZ	21.2995, 12.8290, 86.9416
YIQ	92.4720, -57.8250, 51.2870

Conversions

Conversions Part 2

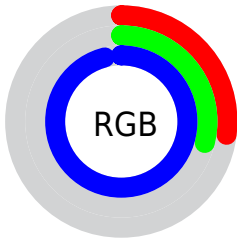
Format	Color
R _{YB}	69, 75, 244
Decimal	4541428
CIE Lab	42.50, 51.53, -84.68
CIE LCh	43, 99.122, 301.321
Yxy	12.8290, 0.1759, 0.1060
Android (android.graphics.Color)	4282731508 (0xFF454BF4)
YUV	92.4720, 74.7033, -20.5849
Hunter-Lab	35.8176, 43.4671, -118.8449

Details

The XYZ color **21.2995, 12.8290, 86.9416** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **68.9620, 80.8210, 17.5977**, and the grayscale version is **10.1249, 10.6522, 11.6002**.

A 20% lighter version of the original color is **36.1988, 27.4627, 98.0007**, and **9.3023, 4.4239, 46.8180** is the 20% darker color. If you saturate the color by 10%, you get **18.5973, 9.4865, 86.4392**, and if you desaturate by 10%, it is **25.3059, 17.7216, 87.6752**.

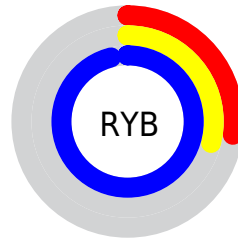
Distribution



Red (27%)

Green (29%)

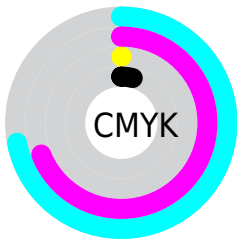
Blue (96%)



Red (27%)

Yellow (29%)

Blue (96%)

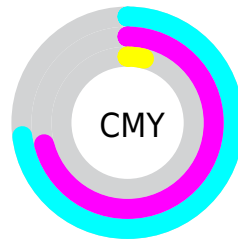


Cyan (72%)

Magenta (69%)

Yellow (0%)

Black (4%)



Cyan (73%)

Magenta (71%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2995, 12.8290, 86.9416 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 21.2995, 12.8290, 86.9416 by changing the saturation by 10% instead.

■ 21.2995, 12.8290,
86.9416

■ 21.2995, 12.8290,
86.9416

251.5676,
209.8188, 538.3422

■ 13.4568, 7.3109,
64.8875

■ 45.0730, 30.9962,
144.9809

■ 7.8230, 3.6573,
46.9191

■ 61.7345, 44.4142,
181.8032

■ 4.0328, 1.4838,
32.6178

■ 82.0663, 61.2341,
224.3853

■ 1.7207, 0.2773,
21.5651

■ 106.4338, 81.8406,
273.1458

■ 0.4692, 0.0000,
13.3425

■ 135.2023,
106.6179, 328.5032

■ 0.0000, 0.0000,
7.5313

168.7372,

■ 0.0000, 0.0000,

135.9504, 390.8760

3.7131

207.4039,
170.2226, 460.6828

■ 0.0000, 0.0000,
1.4693

■ 0.0000, 0.0000,
0.1949

■ 21.2995, 12.8290,
86.9416

■ 21.2995, 12.8290,
86.9416

■ 18.5973, 9.4865,
86.4392

■ 25.3059, 17.7216,
87.6752

■ 17.0342, 7.5069,
86.1395

■ 30.7504, 24.3209,
88.6620

■ 16.4198, 6.7129,
86.0186

■ 37.7530, 32.7650,
89.9228

■ 46.4203, 43.1779,
91.4759

■ 56.8498, 55.6726,
93.3379

■ 69.1312, 70.3537,
95.5244

■ 83.3483, 87.3188,
98.0496

■ 93.3292, 99.3117,
99.8384

Harmonies

Analogous

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



12.5281, 12.8290, 108.8266



21.2995, 12.8290, 86.9416



29.6587, 12.8290, 44.5152

Triad

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



21.2995, 12.8290, 86.9416



20.4774, 12.8290, 0.0000



2.7275, 12.8290, 14.9398

Complementary

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



21.2995, 12.8290, 86.9416



68.9620, 80.8210, 17.5977

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.



3.4289, 12.8290, 2.0610



21.2995, 12.8290, 86.9416



11.8650, 12.8290, 0.0000

Square

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



21.2995, 12.8290, 86.9416



29.0631, 12.8290, 1.6351



6.1423, 12.8290, 0.0000



3.5732, 12.8290, 48.1724

Rectangle

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



21.2995, 12.8290, 86.9416



32.6463, 12.8290, 21.1493



6.1423, 12.8290, 0.0000



2.7872, 12.8290, 8.6306

Sweetspot

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



21.3003, 12.8292, 86.9420



62.4211, 61.0373, 103.0992



49.8377, 71.9800, 90.0544



12.6514, 12.2155, 21.9410



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.



21.3003, 12.8292, 86.9420



19.6383, 9.3321, 95.3740



30.6270, 17.0628, 87.2676



15.6266, 16.0175, 20.8106



8.9480, 3.6898, 46.7786



0.8021, 0.3557, 4.1166

Inverse Universe

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



40.7072, 23.9990, 9.1430



42.3016, 22.6796, 4.4529



48.9958, 73.1583, 17.1709



16.5221, 16.4917, 17.2300



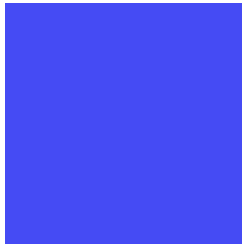
20.3210, 10.4719, 1.1331



1.7939, 0.9235, 0.1413

Previews

White Background



This preview shows how the XYZ color 21.2995, 12.8290, 86.9416 looks on a white background.

Color Contrast Check

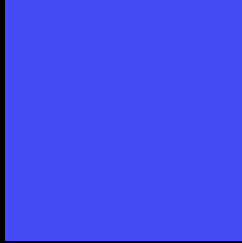
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2995, 12.8290, 86.9416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

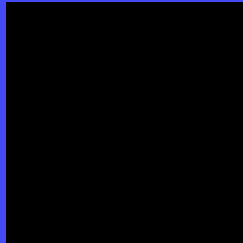
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2995, 12.8290, 86.9416

Background



This preview shows how black text looks on a background with the XYZ color 21.2995, 12.8290, 86.9416.

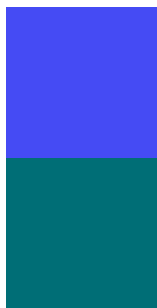


This preview shows how white text looks on a background with the XYZ color 21.2995, 12.8290,

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



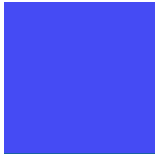
Original Color

21.2995, 12.8290, 86.9416

Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

21.2995, 12.8290, 86.9416



Tritanomaly

11.3764, 11.4364, 36.7298

Monochromacy



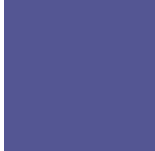
Original Color

21.2995, 12.8290, 86.9416



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

12.2504, 10.6470, 29.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2995, 12.8290, 86.9416 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(69, 75, 244)` looks like.

```
.text, #text, p{  
    color:rgb(69, 75, 244)  
}
```

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(69, 75, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 75, 244) }
```

Border

The CSS property to change the border of an element to XYZ 21.2995, 12.8290, 86.9416 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(69, 75, 244) }
```

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

```
.border{ border-color:rgb(69, 75, 244) }
```

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

Here you see how a box with a 4 pixel rgb(69, 75, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 75, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 75, 244);  
box-shadow:4px 4px 4px 4px rgb(69, 75,  
244) }
```


Background

The CSS property to change the background color of an element to XYZ 21.2995, 12.8290, 86.9416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 75, 244) }
```

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

```
.background{ background-color: rgb(69, 75,  
244) }
```

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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