

Converting Colors

XYZ(21.7170, 12.9300, 86.9952)

Have a look what the booklet for
XYZ(21.7170, 12.9300, 86.9952)
contains.

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Color

**XYZ(21.6796, 12.9251,
86.9401)**

Conversions

Conversions Part 1

Format	Color
Hex	4B4AF4
RGB	75, 74, 244
RGB Percent	29%, 29%, 96%
CMY	0.7058, 0.7098, 0.0431
CMYK	0.69, 0.70, 0.00, 0.04
HSL	240°, 89%, 62%
HSV	240°, 70%, 96%
XYZ	21.6796, 12.9251, 86.9401
YIQ	93.6790, -53.9740, 53.0820

Conversions

Conversions Part 2

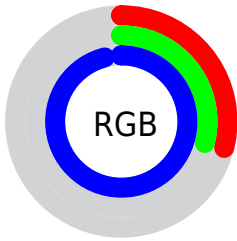
Format	Color
R_{YB}	75, 74, 244
Decimal	4934388
CIE _{Lab}	42.65, 52.70, -84.42
CIE _{LCh}	43, 99.520, 301.971
Yxy	12.9251, 0.1784, 0.1063
Android (android.graphics.Color)	4283124468 (0xFF4B4AF4)
YUV	93.6790, 74.1083, -16.3815
Hunter-Lab	35.9515, 44.7246, -118.2127

Details

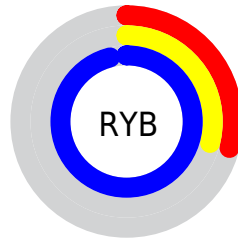
The XYZ color **21.6796, 12.9251, 86.9401** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **70.5448, 84.2486, 19.0218**, and the grayscale version is **10.4049, 10.9468, 11.9211**.

A 20% lighter version of the original color is **36.7593, 27.5646, 97.9908**, and **9.2549, 4.3290, 46.8022** is the 20% darker color. If you saturate the color by 10%, you get **18.8057, 9.4762, 86.4262**, and if you desaturate by 10%, it is **25.9090, 18.0095, 87.6990**.

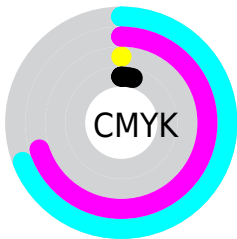
Distribution



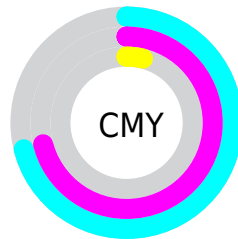
- Red (29%)
- Green (29%)
- Blue (96%)



- Red (29%)
- Yellow (29%)
- Blue (96%)



- Cyan (69%)
- Magenta (70%)
- Yellow (0%)
- Black (4%)



- Cyan (71%)
- Magenta (71%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6796, 12.9251, 86.9401 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 21.6796, 12.9251, 86.9401 by changing the saturation by 10% instead.

■ 21.6796, 12.9251,
86.9401

■ 21.6796, 12.9251,
86.9401

253.5324,
210.4371, 538.3371

■ 13.7369, 7.3770,
64.8863

■ 45.6987, 31.1692,
144.9788

■ 8.0184, 3.6990,
46.9181

■ 62.5058, 44.6339,
181.8007

■ 4.1586, 1.5066,
32.6171

■ 82.9985, 61.5063,
224.3825

■ 1.7923, 0.2934,
21.5645

■ 107.5421, 82.1708,
273.1426

■ 0.5130, 0.0000,
13.3420

■ 136.5019,
107.0117, 328.4995

■ 0.0000, 0.0000,
7.5310

170.2433,

■ 0.0000, 0.0000,

136.4134, 390.8719

3.7129

209.1317,
170.7604, 460.6783

■ 0.0000, 0.0000,
1.4692

■ 0.0000, 0.0000,
0.1948

■ 21.6796, 12.9251,
86.9401

■ 21.6796, 12.9251,
86.9401

■ 18.8057, 9.4762,
86.4262

■ 25.9090, 18.0095,
87.6990

■ 17.1200, 7.4617,
86.1263

■ 31.6303, 24.8971,
88.7269

■ 16.3660, 6.5635,
85.9926

■ 38.9660, 33.7359,
90.0463

■ 16.3474, 6.5411,
85.9893

■ 48.0253, 44.6583,
91.6770

■ 58.9080, 57.7850,
93.6372

■ 71.7060, 73.2277,
95.9434

■ 86.5052, 91.0904,
98.6112

■ 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.



12.7907, 12.9251, 109.8365



21.6796, 12.9251, 86.9401



30.0575, 12.9251, 44.0211

Triad

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



21.6796, 12.9251, 86.9401



20.4417, 12.9251, 0.0000



2.7416, 12.9251, 15.5513

Complementary

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



21.6796, 12.9251, 86.9401



70.5448, 84.2486, 19.0218

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.



3.4129, 12.9251, 2.1857



21.6796, 12.9251, 86.9401



11.7926, 12.9251, 0.0000

Square

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



21.6796, 12.9251, 86.9401



29.1605, 12.9251, 1.5456



6.0928, 12.9251, 0.0000



3.6298, 12.9251, 49.5307

Rectangle

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



21.6796, 12.9251, 86.9401



32.9790, 12.9251, 20.7111



6.0928, 12.9251, 0.0000



2.7911, 12.9251, 9.0309

Sweetspot

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



21.6804, 12.9254, 86.9405



63.3363, 61.7278, 103.1842



51.5040, 72.6891, 96.9042



12.8166, 12.3196, 21.9524



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.



21.6804, 12.9254, 86.9405



19.7940, 9.2859, 95.3568



33.0759, 18.7999, 87.4738



15.5903, 15.9315, 20.7959



8.8928, 3.5587, 46.7562



0.7847, 0.3144, 4.1096

Inverse Universe

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



55.9329, 30.6009, 87.7431



59.8713, 29.9702, 96.1638



47.8848, 72.5669, 17.9613



17.2092, 16.7665, 20.8480



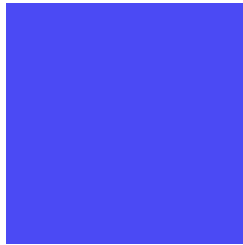
29.0475, 13.9624, 47.0859



2.5544, 1.2277, 4.1456

Previews

White Background



This preview shows how the XYZ color 21.6796, 12.9251, 86.9401 looks on a white background.

Color Contrast Check

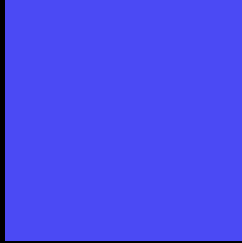
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6796, 12.9251, 86.9401 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 21.6796, 12.9251, 86.9401

Background



This preview shows how black text looks on a background with the XYZ color 21.6796, 12.9251, 86.9401.



This preview shows how white text looks on a background with the XYZ color 21.6796, 12.9251,

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

21.6796, 12.9251, 86.9401

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

8.9545, 12.6769, 19.1145

Trichromacy



Original Color

21.6796, 12.9251, 86.9401

Protanomaly

16.5966, 12.2744, 67.8241

Deuteranomaly

14.5879, 12.0108, 55.5823

Tritanomaly

11.5205, 11.6487, 36.7632

Monochromacy



Original Color

21.6796, 12.9251, 86.9401

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.7635, 11.0126, 29.8867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6796, 12.9251, 86.9401 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(75, 74, 244)` looks like.

```
.text, #text, p{  
    color:rgb(75, 74, 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(75, 74, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 74, 244) }
```

Border

The CSS property to change the border of an element to XYZ 21.6796, 12.9251, 86.9401 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(75, 74, 244) }
```


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

```
.border{ border-color:rgb(75, 74, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 74, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 74, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 74, 244);  
box-shadow:4px 4px 4px 4px rgb(75, 74,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6796, 12.9251, 86.9401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 74, 244) }
```

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

```
.background{ background-color: rgb(75, 74,  
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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