

Converting Colors

XYZ(21.5923, 14.1427, 50.8829)

Have a look what the booklet for
XYZ(21.5923, 14.1427, 50.8829)
contains.

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Color

**XYZ(21.5600, 14.1788,
50.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	834FBF
RGB	131, 79, 191
RGB Percent	51%, 31%, 75%
CMY	0.4863, 0.6902, 0.2510
CMYK	0.31, 0.59, 0.00, 0.25
HSL	268°, 47%, 53%
HSV	268°, 59%, 75%
XYZ	21.5600, 14.1788, 50.8907
YIQ	107.3160, -4.9600, 45.8560

Conversions

Conversions Part 2

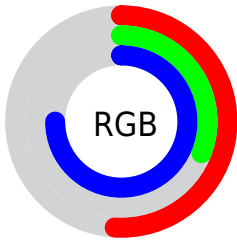
Format	Color
R _Y B	131, 79, 191
Decimal	8605631
CIE Lab	44.49, 44.21, -50.92
CIE LCh	44, 67.435, 310.964
Yxy	14.1788, 0.2489, 0.1637
Android (android.graphics.Color)	4286795711 (0xFF834FBF)
YUV	107.3160, 41.2562, 20.7709
Hunter-Lab	37.6547, 36.3080, -53.7726

Details

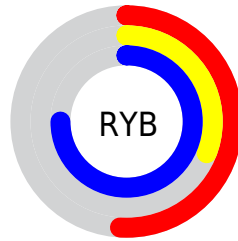
The XYZ color **21.5600, 14.1788, 50.8907** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **30.6896, 43.3153, 14.1406**, and the grayscale version is **13.9533, 14.6799, 15.9865**.

A 20% lighter version of the original color is **45.4194, 33.3074, 92.8420**, and **7.9352, 4.2214, 24.0635** is the 20% darker color. If you saturate the color by 10%, you get **18.8678, 11.0314, 50.4254**, and if you desaturate by 10%, it is **24.8057, 18.1993, 51.4959**.

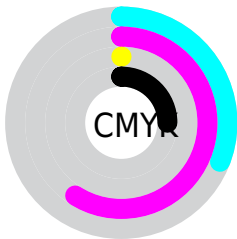
Distribution



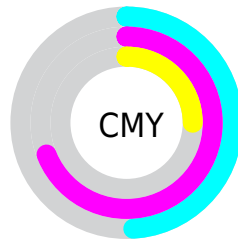
- Red (51%)
- Green (31%)
- Blue (75%)



- Red (51%)
- Yellow (31%)
- Blue (75%)



- Cyan (31%)
- Magenta (59%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (69%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5600, 14.1788, 50.8907 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 21.5600, 14.1788, 50.8907 by changing the saturation by 10% instead.

■ 21.5600, 14.1788,
50.8907

■ 21.5600, 14.1788,
50.8907

252.9156,
218.3403, 406.9734

■ 13.6487, 8.2451,
35.7455

■ 45.5020, 33.4059,
92.9030

■ 7.9568, 4.2522,
23.9496

■ 62.2634, 47.4682,
120.6073

■ 4.1189, 1.8156,
15.0844

■ 82.7056, 65.0088,
153.3349

■ 1.7696, 0.4969,
8.7313

■ 107.1939, 86.4121,
191.5045

■ 0.4993, 0.0000,
4.4719

■ 136.0937,
112.0625, 235.5346

■ 0.0000, 0.0000,
1.8877

169.7704,

■ 0.0000, 0.0000,

142.3444, 285.8438

0.4849

208.5892,
177.6422, 342.8505

■ 0.0000, 0.0000,
0.0000

■ 21.5600, 14.1788,
50.8907

■ 21.5600, 14.1788,
50.8907

■ 18.8678, 11.0314,
50.4254

■ 24.8057, 18.1993,
51.4959

■ 16.6878, 8.6835,
50.0871

■ 28.6381, 23.1553,
52.2506

■ 14.9748, 7.0509,
49.8622

■ 33.0898, 29.1049,
53.1643

■ 13.6560, 5.9955,
49.7280

■ 38.1903, 36.1011,
54.2459

■ 13.4933, 5.8697,
49.7123

■ 43.9670, 44.1929,
55.5033

■ 50.4455, 53.4262,
56.9441

■ 57.6503, 63.8444,
58.5752

■ 65.6043, 75.4884,
60.4035

■ 74.3298, 88.3971,
62.4353

Harmonies

Analogous

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



15.5648, 14.1788, 67.4520



21.5600, 14.1788, 50.8907



25.9753, 14.1788, 27.4106

Triad

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



21.5600, 14.1788, 50.8907



17.1829, 14.1788, 0.9059



5.5967, 14.1788, 21.8635

Complementary

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



21.5600, 14.1788, 50.8907



30.6896, 43.3153, 14.1406

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.



5.8114, 14.1788, 7.5859



21.5600, 14.1788, 50.8907



11.5839, 14.1788, 0.7341

Square

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



21.5600, 14.1788, 50.8907



23.0152, 14.1788, 2.9517



7.7179, 14.1788, 2.0689



7.0222, 14.1788, 44.5702

Rectangle

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



21.5600, 14.1788, 50.8907



26.8687, 14.1788, 14.9397



7.7179, 14.1788, 2.0689



5.4919, 14.1788, 15.9478

Sweetspot

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



21.5606, 14.1793, 50.8910



68.7431, 65.1346, 97.2282



22.0948, 24.3563, 52.8272



14.4742, 13.4436, 21.2173



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.5606, 14.1793, 50.8910



32.7452, 18.5907, 90.1416



32.3045, 19.7180, 51.3938



9.4262, 9.4366, 11.9968



8.9587, 3.9044, 32.6744



0.4264, 0.1919, 1.2834

Inverse Universe

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



28.9423, 18.5327, 26.4777



47.9151, 27.5513, 39.3318



23.7525, 39.7391, 13.8160



9.7380, 9.6195, 11.0095



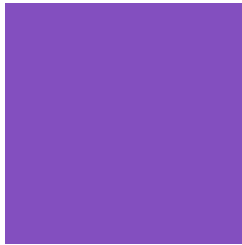
15.7478, 7.9303, 9.2315



0.6496, 0.3237, 0.5340

Previews

White Background



This preview shows how the XYZ color 21.5600, 14.1788, 50.8907 looks on a white background.

Color Contrast Check

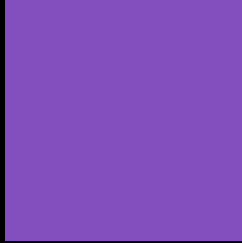
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5600, 14.1788, 50.8907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

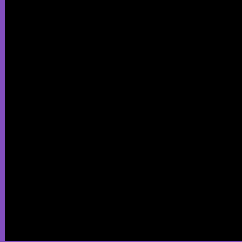
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5600, 14.1788, 50.8907

Background



This preview shows how black text looks on a background with the XYZ color 21.5600, 14.1788, 50.8907.



This preview shows how white text looks on a background with the XYZ color 21.5600, 14.1788,

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

21.5600, 14.1788, 50.8907

Protanopia

17.2483, 14.5282, 66.1851

Deuteranopia

14.7776, 14.4115, 47.9018



Tritanopia

14.4842, 14.0563, 16.4177

Trichromacy



Original Color

21.5600, 14.1788, 50.8907

Protanomaly

16.8882, 13.3612, 60.0814

Deuteranomaly

15.8429, 13.4768, 48.7800

Tritanomaly

16.4597, 13.7577, 26.2141

Monochromacy



Original Color

21.5600, 14.1788, 50.8907

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.0646, 14.0974, 25.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5600, 14.1788, 50.8907 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(131, 79, 191)` looks like.

```
.text, #text, p{  
    color:rgb(131, 79, 191)  
}
```

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(131, 79, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 79, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.5600, 14.1788, 50.8907 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(131, 79, 191) }
```


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

```
.border{ border-color:rgb(131, 79, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 79, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 79, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 79, 191);  
box-shadow:4px 4px 4px 4px rgb(131, 79,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5600, 14.1788, 50.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 79, 191) }
```

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

```
.background{ background-color: rgb(131, 79,  
191) }
```

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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