

Converting Colors

XYZ(21.8199, 12.4502, 90.0604)

Have a look what the booklet for
XYZ(21.8199, 12.4502, 90.0604)
contains.

XYZ(21.8191, 12.4500, 90.0600)	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(21.8191, 12.4500,
90.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	4945F8
RGB	73, 69, 248
RGB Percent	29%, 27%, 97%
CMY	0.7137, 0.7294, 0.0274
CMYK	0.71, 0.72, 0.00, 0.03
HSL	241°, 93%, 62%
HSV	241°, 72%, 97%
XYZ	21.8191, 12.4500, 90.0600
YIQ	90.6020, -55.0750, 56.5170

Conversions

Conversions Part 2

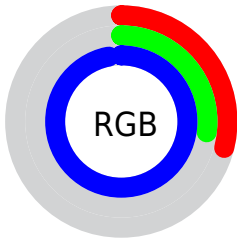
Format	Color
R_{YB}	73, 69, 248
Decimal	4802040
CIE _{Lab}	41.92, 56.49, -87.87
CIE _{LCh}	42, 104.461, 302.733
Yxy	12.4500, 0.1755, 0.1001
Android (android.graphics.Color)	4282992120 (0xFF4945F8)
YUV	90.6020, 77.5972, -15.4370
Hunter-Lab	35.2846, 48.6320, -126.6321

Details

The XYZ color **21.8191, 12.4500, 90.0600** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **71.9447, 86.7951, 18.5910**, and the grayscale version is **9.6939, 10.1988, 11.1065**.

A 20% lighter version of the original color is **36.1484, 26.3429, 97.7872**, and **9.5624, 4.2540, 49.0323** is the 20% darker color. If you saturate the color by 10%, you get **19.1069, 9.2407, 89.5839**, and if you desaturate by 10%, it is **25.8852, 17.3023, 90.7827**.

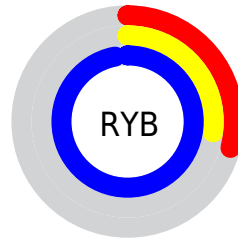
Distribution



Red (29%)

Green (27%)

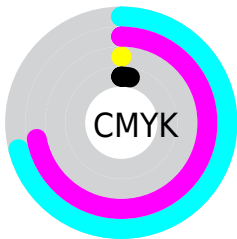
Blue (97%)



Red (29%)

Yellow (27%)

Blue (97%)

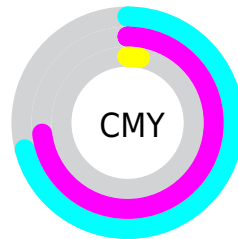


Cyan (71%)

Magenta (72%)

Yellow (0%)

Black (3%)



Cyan (71%)

Magenta (73%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8191, 12.4500, 90.0600 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 21.8191, 12.4500, 90.0600 by changing the saturation by 10% instead.

■ 21.8191, 12.4500,
90.0600

■ 21.8191, 12.4500,
90.0600

254.2503,
207.3621, 548.8011

■ 13.8399, 7.0509,
67.4564

■ 45.9279, 30.3121,
149.3580

■ 8.0903, 3.4940,
48.9917

■ 62.7882, 43.5439,
186.8895

■ 4.2051, 1.3947,
34.2473

■ 83.3396, 60.1554,
230.2340

■ 1.8188, 0.2128,
22.8048

■ 107.9475, 80.5309,
279.8101

■ 0.5290, 0.0000,
14.2455

■ 136.9771,
105.0550, 336.0363

■ 0.0000, 0.0000,
8.1509

170.7939,

■ 0.0000, 0.0000,

134.1120, 399.3312

4.1025

209.7631,
168.0862, 470.1133

■ 0.0000, 0.0000,
1.6817

■ 0.0000, 0.0000,
0.3482

■ 21.8191, 12.4500,
90.0600

■ 21.8191, 12.4500,
90.0600

■ 19.1069, 9.2407,
89.5839

■ 25.8852, 17.3023,
90.7827

■ 17.5723, 7.4573,
89.3205

■ 31.4478, 23.9766,
91.7777

■ 17.0130, 6.8132,
89.2257

■ 38.6342, 32.6294,
93.0691

■ 47.5574, 43.4003,
94.6778

■ 58.3204, 56.4162,
96.6229

■ 71.0180, 71.7940,
98.9219

■ 85.7389, 89.6427,
101.5911

■ 93.9433, 99.5573,
103.0724

Harmonies

Analogous

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



12.5559, 12.4500, 115.9024



21.8191, 12.4500, 90.0600



30.5552, 12.4500, 43.8752

Triad

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



21.8191, 12.4500, 90.0600



20.0259, 12.4500, 0.0000



2.3337, 12.4500, 15.6873

Complementary

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



21.8191, 12.4500, 90.0600



71.9447, 86.7951, 18.5910

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.



2.9320, 12.4500, 1.9148



21.8191, 12.4500, 90.0600



11.1391, 12.4500, 0.0000

Square

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



21.8191, 12.4500, 90.0600



29.2414, 12.4500, 1.1112



5.4818, 12.4500, 0.0000



3.2204, 12.4500, 52.0208

Rectangle

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



21.8191, 12.4500, 90.0600



33.5286, 12.4500, 19.6799



5.4818, 12.4500, 0.0000



2.3685, 12.4500, 8.8558

Sweetspot

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



21.8199, 12.4502, 90.0604



62.3122, 60.3220, 102.9669



52.0550, 73.3576, 100.2231



12.6264, 12.0511, 21.9106



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.



21.8199, 12.4502, 90.0604



19.4020, 8.7305, 95.2703



33.8666, 18.6605, 90.6242



16.3190, 16.6616, 21.7412



9.2058, 3.6884, 48.2003



0.8649, 0.3479, 4.4648

Inverse Universe

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



57.1664, 30.7432, 88.4972



59.0471, 29.2597, 92.9975



48.2584, 74.5844, 17.4825



17.9753, 17.5175, 21.7254



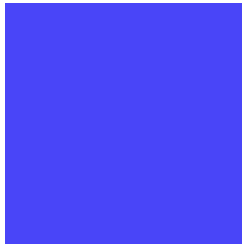
29.6127, 14.2608, 46.7965



2.7479, 1.3229, 4.3616

Previews

White Background



This preview shows how the XYZ color 21.8191, 12.4500, 90.0600 looks on a white background.

Color Contrast Check

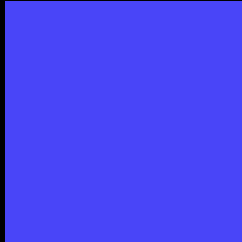
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8191, 12.4500, 90.0600 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 21.8191, 12.4500, 90.0600

Background



This preview shows how black text looks on a background with the XYZ color 21.8191, 12.4500, 90.0600.



This preview shows how white text looks on a background with the XYZ color 21.8191, 12.4500,

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

21.8191, 12.4500, 90.0600

Protanopia

14.4010, 12.3079, 55.6495

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

8.6210, 12.1982, 18.4231

Trichromacy



Original Color

21.8191, 12.4500, 90.0600

Protanomaly

16.3042, 11.8983, 67.0829

Deuteranomaly

14.2174, 11.4550, 54.8878

Tritanomaly

11.1555, 10.9188, 36.6415

Monochromacy



Original Color

21.8191, 12.4500, 90.0600

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.0947, 10.2094, 29.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8191, 12.4500, 90.0600 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(73, 69, 248)` looks like.

```
.text, #text, p{  
    color:rgb(73, 69, 248)  
}
```

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(73, 69, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 69, 248) }
```

Border

The CSS property to change the border of an element to XYZ 21.8191, 12.4500, 90.0600 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(73, 69, 248) }
```


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

```
.border{ border-color:rgb(73, 69, 248) }
```

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

Here you see how a box with a 4 pixel rgb(73, 69, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 69, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 69, 248);  
box-shadow:4px 4px 4px 4px rgb(73, 69,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8191, 12.4500, 90.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 69, 248) }
```

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

```
.background{ background-color: rgb(73, 69,  
248) }
```

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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