

Converting Colors

XYZ(21.2094, 14.7775, 44.6848)

Have a look what the booklet for
XYZ(21.2094, 14.7775, 44.6848)
contains.

XYZ(21.3182, 14.8606, 44.9248)	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(21.3182, 14.8606,
44.9248)**

Conversions

Conversions Part 1

Format	Color
Hex	8655B4
RGB	134, 85, 180
RGB Percent	53%, 33%, 71%
CMY	0.4745, 0.6667, 0.2941
CMYK	0.26, 0.53, 0.00, 0.29
HSL	271°, 39%, 52%
HSV	271°, 53%, 71%
XYZ	21.3182, 14.8606, 44.9248
YIQ	110.4810, -1.2910, 39.9330

Conversions

Conversions Part 2

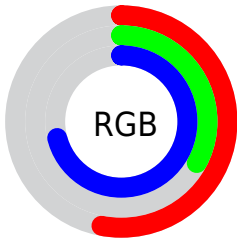
Format	Color
RYB	134, 85, 180
Decimal	8803764
CIELab	45.44, 38.95, -42.96
CIElCh	45, 57.987, 312.200
Yxy	14.8606, 0.2629, 0.1832
Android (android.graphics.Color)	4286993844 (0xFF8655B4)
YUV	110.4810, 34.2729, 20.6262
Hunter-Lab	38.5494, 31.2506, -42.1108

Details

The XYZ color **21.3182, 14.8606, 44.9248** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **27.3213, 38.1240, 14.5135**, and the grayscale version is **14.8645, 15.6386, 17.0304**.

A 20% lighter version of the original color is **44.9307, 34.4833, 83.6447**, and **7.8857, 4.6048, 20.5519** is the 20% darker color. If you saturate the color by 10%, you get **18.7449, 11.6914, 44.4490**, and if you desaturate by 10%, it is **24.3676, 18.8108, 45.5268**.

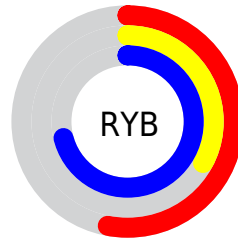
Distribution



Red (53%)

Green (33%)

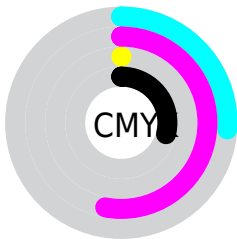
Blue (71%)



Red (53%)

Yellow (33%)

Blue (71%)

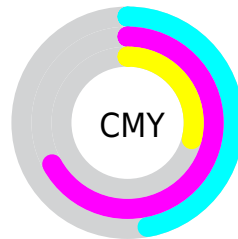


Cyan (26%)

Magenta (53%)

Yellow (0%)

Black (29%)



Cyan (47%)

Magenta (67%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3182, 14.8606, 44.9248 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 21.3182, 14.8606, 44.9248 by changing the saturation by 10% instead.

■ 21.3182, 14.8606,
44.9248

■ 21.3182, 14.8606,
44.9248

251.6646,
222.5209, 382.6202

■ 13.4706, 8.7216,
31.0557

■ 45.1038, 34.6084,
83.9248

■ 7.8326, 4.5600,
20.3824

■ 61.7725, 48.9861,
109.8928

■ 4.0389, 1.9915,
12.4865

■ 82.1123, 66.8787,
140.7308

■ 1.7242, 0.6025,
6.9494

■ 106.4885, 88.6708,
176.8573

■ 0.4713, 0.0000,
3.3525

■ 135.2664,
114.7466, 218.6910

■ 0.0000, 0.0000,
1.2773

168.8115,

■ 0.0000, 0.0000,

145.4907, 266.6504

0.0431

207.4891,
181.2873, 321.1539

■ 0.0000, 0.0000,
0.0000

■ 21.3182, 14.8606,
44.9248

■ 21.3182, 14.8606,
44.9248

■ 18.7449, 11.6914,
44.4490

■ 24.3676, 18.8108,
45.5268

■ 16.6152, 9.2444,
44.0889

■ 27.9190, 23.5915,
46.2624

■ 14.8950, 7.4545,
43.8341

■ 31.9983, 29.2502,
47.1396

■ 13.5430, 6.2437,
43.6716

■ 36.6289, 35.8302,
48.1656

■ 12.7366, 5.6143,
43.5926

■ 41.8327, 43.3717,
49.3470

■ 47.6306, 51.9126,
50.6900

■ 54.0419, 61.4889,
52.2005

■ 61.0856, 72.1343,
53.8840

■ 68.7792, 83.8816,
55.7460

Harmonies

Analogous

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



16.1774, 14.8606, 58.5240



21.3182, 14.8606, 44.9248



24.9277, 14.8606, 25.7379

Triad

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



21.3182, 14.8606, 44.9248



17.1547, 14.8606, 1.7763



6.8586, 14.8606, 22.4706

Complementary

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



21.3182, 14.8606, 44.9248



27.3213, 38.1240, 14.5135

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.



7.0045, 14.8606, 9.3416



21.3182, 14.8606, 44.9248



12.2532, 14.8606, 1.6267

Square

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



21.3182, 14.8606, 44.9248



22.1726, 14.8606, 4.0906



8.7641, 14.8606, 3.3998



8.3061, 14.8606, 41.3959

Rectangle

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



21.3182, 14.8606, 44.9248



25.5718, 14.8606, 15.1817



8.7641, 14.8606, 3.3998



6.7341, 14.8606, 17.2225

Sweetspot

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



21.3188, 14.8612, 44.9251



63.3631, 60.6004, 86.6521



20.3042, 21.8656, 46.3306



13.3264, 12.5736, 18.6468



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.3188, 14.8612, 44.9251



33.4414, 20.5497, 80.4985



30.3095, 19.4960, 45.3459



8.4460, 8.4385, 10.6900



8.9673, 3.9586, 30.4284



0.3492, 0.1591, 0.9605

Inverse Universe

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



26.1680, 17.8394, 23.5372



43.7244, 26.8598, 35.3933



21.7077, 35.2300, 14.2508



8.6621, 8.5715, 9.7188



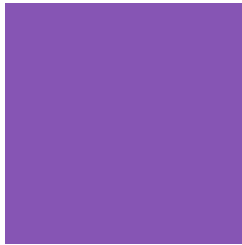
14.3757, 7.2678, 7.1384



0.4818, 0.2405, 0.3801

Previews

White Background



This preview shows how the XYZ color 21.3182, 14.8606, 44.9248 looks on a white background.

Color Contrast Check

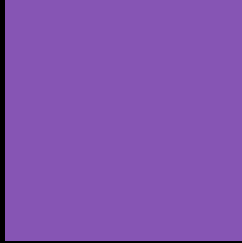
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3182, 14.8606, 44.9248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

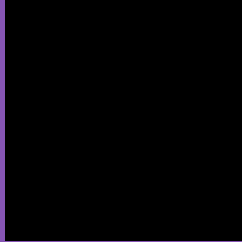
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3182, 14.8606, 44.9248

Background



This preview shows how black text looks on a background with the XYZ color 21.3182, 14.8606, 44.9248.



This preview shows how white text looks on a background with the XYZ color 21.3182, 14.8606,

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

21.3182, 14.8606, 44.9248

Protanopia

17.1640, 15.1565, 56.0537

Deuteranopia

15.4152, 15.0136, 42.6429



Tritanopia

15.5919, 14.7661, 16.7802

Trichromacy



Original Color

21.3182, 14.8606, 44.9248

Protanomaly

17.7199, 14.5196, 51.7378

Deuteranomaly

16.8074, 14.5128, 43.5104

Tritanomaly

17.1602, 14.5506, 24.8258

Monochromacy



Original Color

21.3182, 14.8606, 44.9248

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.6346, 14.9786, 24.9361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3182, 14.8606, 44.9248 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(134, 85, 180)` looks like.

```
.text, #text, p{  
    color:rgb(134, 85, 180)  
}
```

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(134, 85, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 85, 180) }
```

Border

The CSS property to change the border of an element to XYZ 21.3182, 14.8606, 44.9248 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(134, 85, 180) }
```


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

```
.border{ border-color:rgb(134, 85, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 85, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 85, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 85, 180);  
box-shadow:4px 4px 4px 4px rgb(134, 85,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3182, 14.8606, 44.9248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 85, 180) }
```

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

```
.background{ background-color: rgb(134, 85,  
180) }
```

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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