

Converting Colors

XYZ(21.2729, 14.4334, 56.9108)

Have a look what the booklet for
XYZ(21.2729, 14.4334, 56.9108)
contains.

XYZ(21.3207, 14.4796, 56.9295)	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(21.3207, 14.4796,
56.9295)**

Conversions

Conversions Part 1

Format	Color
Hex	7754C9
RGB	119, 84, 201
RGB Percent	47%, 33%, 79%
CMY	0.5333, 0.6706, 0.2118
CMYK	0.41, 0.58, 0.00, 0.21
HSL	258°, 52%, 56%
HSV	258°, 58%, 79%
XYZ	21.3207, 14.4796, 56.9295
YIQ	107.8030, -16.6970, 43.8070

Conversions

Conversions Part 2

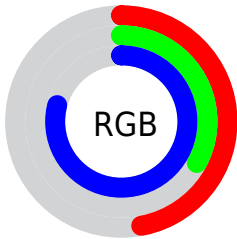
Format	Color
R _{YB}	119, 84, 201
Decimal	7820489
CIE Lab	44.91, 41.25, -56.10
CIE LCh	45, 69.631, 306.324
Yxy	14.4796, 0.2299, 0.1561
Android (android.graphics.Color)	4286010569 (0xFF7754C9)
YUV	107.8030, 45.9461, 9.8198
Hunter-Lab	38.0521, 33.4230, -62.0670

Details

The XYZ color **21.3207, 14.4796, 56.9295** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **38.2125, 50.5204, 16.1251**, and the grayscale version is **14.0782, 14.8114, 16.1296**.

A 20% lighter version of the original color is **44.6185, 33.7781, 98.7759**, and **7.8058, 4.3612, 27.6245** is the 20% darker color. If you saturate the color by 10%, you get **18.1865, 10.8709, 56.3985**, and if you desaturate by 10%, it is **25.1903, 19.1320, 57.6239**.

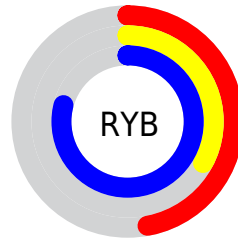
Distribution



Red (47%)

Green (33%)

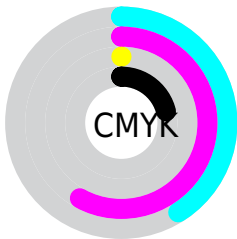
Blue (79%)



Red (47%)

Yellow (33%)

Blue (79%)

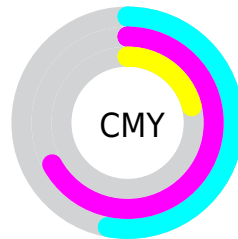


Cyan (41%)

Magenta (58%)

Yellow (0%)

Black (21%)



Cyan (53%)

Magenta (67%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3207, 14.4796, 56.9295 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 21.3207, 14.4796, 56.9295 by changing the saturation by 10% instead.

■ 21.3207, 14.4796,
56.9295

■ 21.3207, 14.4796,
56.9295

251.6775,
220.1944, 430.6714

■ 13.4724, 8.4550,
40.5397

■ 45.1079, 33.9376,
101.8616

■ 7.8339, 4.3874,
27.6426

■ 61.7776, 48.1398,
131.2410

■ 4.0397, 1.8926,
17.8197

■ 82.1184, 65.8367,
165.7873

■ 1.7246, 0.5439,
10.6525

■ 106.4958, 87.4125,
205.9190

■ 0.4716, 0.0000,
5.7225

■ 135.2750,
113.2519, 252.0548

■ 0.0000, 0.0000,
2.6110

168.8215,

■ 0.0000, 0.0000,

143.7390, 304.6131

0.8981

207.5005,
179.2584, 364.0124

■ 0.0000, 0.0000,
0.0000

■ 21.3207, 14.4796,
56.9295

■ 21.3207, 14.4796,
56.9295

■ 18.1865, 10.8709,
56.3985

■ 25.1903, 19.1320,
57.6239

■ 15.7336, 8.2192,
56.0159

■ 29.8400, 24.9023,
58.4926

■ 13.9031, 6.4252,
55.7661

■ 35.3128, 31.8595,
59.5470

■ 12.6098, 5.3407,
55.6249

■ 41.6481, 40.0664,
60.7972

■ 12.4142, 5.1819,
55.6046

■ 48.8824, 49.5815,
62.2525

■ 57.0504, 60.4595,
63.9217

■ 66.1844, 72.7517,
65.8129

■ 76.3157, 86.5071,
67.9340

■ 84.2331, 95.2909,
69.2121

Harmonies

Analogous

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



15.0042, 14.4796, 71.9838



21.3207, 14.4796, 56.9295



26.4231, 14.4796, 32.0082

Triad

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



21.3207, 14.4796, 56.9295



18.6442, 14.4796, 0.9554



5.4961, 14.4796, 19.4786

Complementary

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



21.3207, 14.4796, 56.9295



38.2125, 50.5204, 16.1251

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.



5.9729, 14.4796, 6.2285



21.3207, 14.4796, 56.9295



12.5912, 14.4796, 0.5753

Square

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



21.3207, 14.4796, 56.9295



24.6034, 14.4796, 3.5306



8.2420, 14.4796, 1.5937



6.6913, 14.4796, 42.5915

Rectangle

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



21.3207, 14.4796, 56.9295



27.8365, 14.4796, 17.8628



8.2420, 14.4796, 1.5937



5.4722, 14.4796, 13.8397

Sweetspot

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



21.3214, 14.4801, 56.9299



72.4388, 70.0786, 104.3163



28.1740, 34.0521, 60.3465



14.9991, 14.3394, 22.2272



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.



21.3214, 14.4801, 56.9299



29.8599, 17.1961, 96.3531



31.5387, 19.7473, 57.4080



10.3500, 10.4387, 13.3869



7.8870, 3.3001, 34.9657



0.4477, 0.1945, 1.6591

Inverse Universe

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



34.1407, 21.5115, 38.4280



54.4722, 30.7433, 58.6910



28.8370, 45.6872, 15.6864



10.9427, 10.7605, 12.6815



18.2039, 9.0311, 16.8156



0.8928, 0.4400, 0.9587

Previews

White Background



This preview shows how the XYZ color 21.3207, 14.4796, 56.9295 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 21.3207, 14.4796, 56.9295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

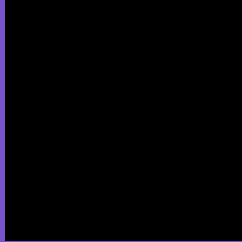
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3207, 14.4796, 56.9295

Background



This preview shows how black text looks on a background with the XYZ color 21.3207, 14.4796, 56.9295.



This preview shows how white text looks on a background with the XYZ color 21.3207, 14.4796,

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

21.3207, 14.4796, 56.9295

Protanopia

17.4063, 14.5647, 68.2235

Deuteranopia

14.7665, 14.4867, 51.3081



Tritanopia

13.5557, 14.4290, 18.5936

Trichromacy



Original Color

21.3207, 14.4796, 56.9295

Protanomaly

16.9721, 13.4515, 63.9892

Deuteranomaly

15.3084, 13.3774, 53.4050

Tritanomaly

15.6722, 14.0944, 29.4982

Monochromacy



Original Color

21.3207, 14.4796, 56.9295

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.0264, 14.3214, 27.5108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3207, 14.4796, 56.9295 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(119, 84, 201)` looks like.

```
.text, #text, p{  
    color:rgb(119, 84, 201)  
}
```

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(119, 84, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 84, 201) }
```

Border

The CSS property to change the border of an element to XYZ 21.3207, 14.4796, 56.9295 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(119, 84, 201) }
```


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

```
.border{ border-color:rgb(119, 84, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 84, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 84, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 84, 201);  
box-shadow:4px 4px 4px 4px rgb(119, 84,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3207, 14.4796, 56.9295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 84, 201) }
```

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

```
.background{ background-color: rgb(119, 84,  
201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor