

Converting Colors

XYZ(21.4296, 13.4048, 42.0154)

Have a look what the booklet for
XYZ(21.4296, 13.4048, 42.0154)
contains.

XYZ(21.4296, 13.4048, 42.0154)	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(21.4296, 13.4048,
42.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	9046AF
RGB	144, 70, 175
RGB Percent	56%, 27%, 69%
CMY	0.4353, 0.7255, 0.3137
CMYK	0.18, 0.60, 0.00, 0.31
HSL	282°, 43%, 48%
HSV	282°, 60%, 69%
XYZ	21.4296, 13.4048, 42.0154
YIQ	104.0960, 10.3990, 48.3430

Conversions

Conversions Part 2

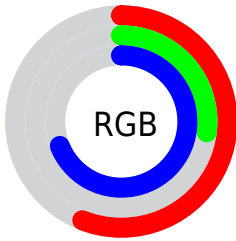
Format	Color
R_{YB}	144, 70, 175
Decimal	9455279
CIE _{Lab}	43.37, 48.43, -43.25
CIE _{LCh}	43, 64.928, 318.232
Yxy	13.4048, 0.2789, 0.1744
Android (android.graphics.Color)	4287645359 (0xFF9046AF)
YUV	104.0960, 34.9557, 34.9958
Hunter-Lab	36.6126, 40.4054, -42.4105

Details

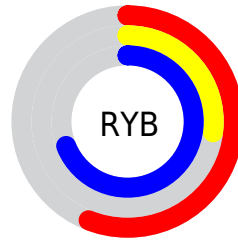
The XYZ color **21.4296, 13.4048, 42.0154** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.8028, 33.8692, 11.1832**, and the grayscale version is **13.0918, 13.7736, 14.9995**.

A 20% lighter version of the original color is **45.2028, 31.9679, 79.3893**, and **7.9001, 3.9204, 18.7527** is the 20% darker color. If you saturate the color by 10%, you get **19.6084, 11.0711, 41.6612**, and if you desaturate by 10%, it is **23.6121, 16.3988, 42.4785**.

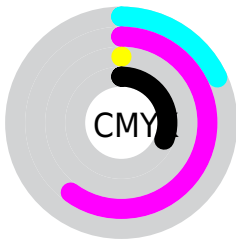
Distribution



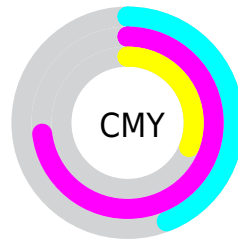
- Red (56%)
- Green (27%)
- Blue (69%)



- Red (56%)
- Yellow (27%)
- Blue (69%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (73%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4296, 13.4048, 42.0154 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 21.4296, 13.4048, 42.0154 by changing the saturation by 10% instead.

■ 21.4296, 13.4048,
42.0154

■ 21.4296, 13.4048,
42.0154

252.2416,
213.4959, 370.3483

■ 13.5526, 7.7079,
28.7877

■ 45.2873, 32.0291,
79.4933

■ 7.8898, 3.9086,
18.6761

■ 61.9988, 45.7253,
104.5805

■ 4.0757, 1.6226,
11.2620

■ 82.3858, 62.8568,
134.4580

■ 1.7451, 0.3727,
6.1270

■ 106.8137, 83.8078,
169.5443

■ 0.4842, 0.0000,
2.8524

■ 135.6479,
108.9628, 210.2580

■ 0.0000, 0.0000,
1.0198

169.2537,

■ 0.0000, 0.0000,

138.7063, 257.0175

0.0000

207.9965,
173.4225, 310.2414

■ 21.4296, 13.4048,
42.0154

■ 21.4296, 13.4048,
42.0154

■ 19.6084, 11.0711,
41.6612

■ 23.6121, 16.3988,
42.4785

■ 18.1177, 9.3385,
41.4053

■ 26.1801, 20.1020,
43.0579

■ 16.9240, 8.1400,
41.2369

■ 29.1572, 24.5606,
43.7616

■ 15.9543, 7.3309,
41.1318

■ 32.5646, 29.8162,
44.5965

■ 15.9541, 7.3308,
41.1318

■ 36.4222, 35.9076,
45.5689

■ 40.7482, 42.8707,
46.6849

■ 45.5600, 50.7396,
47.9502

■ 50.8739, 59.5463,
49.3699

■ 56.7058, 69.3213,
50.9493

Harmonies

Analogous

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



16.0224, 13.4048, 60.0621



21.4296, 13.4048, 42.0154



24.7890, 13.4048, 21.0245

Triad

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



21.4296, 13.4048, 42.0154



14.8229, 13.4048, 0.7835



5.5710, 13.4048, 25.1243

Complementary

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



21.4296, 13.4048, 42.0154



21.8028, 33.8692, 11.1832

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.



5.4095, 13.4048, 9.6322



21.4296, 13.4048, 42.0154



9.9411, 13.4048, 0.9160

Square

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



21.4296, 13.4048, 42.0154



20.3544, 13.4048, 2.1348



6.7899, 13.4048, 2.8106



7.3111, 13.4048, 46.6585

Rectangle

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



21.4296, 13.4048, 42.0154



24.9513, 13.4048, 10.9688



6.7899, 13.4048, 2.8106



5.3511, 13.4048, 18.9448

Sweetspot

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



21.4301, 13.4053, 42.0157



59.4298, 55.1331, 80.1463



14.9666, 13.8027, 42.4331



12.7938, 11.6054, 17.7101



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.4301, 13.4053, 42.0157



34.1889, 18.7079, 74.4459



25.7025, 15.8279, 32.2728



8.1033, 8.0276, 10.0751



11.4889, 5.2826, 29.4586



0.3708, 0.1734, 0.8219

Inverse Universe

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



22.2188, 14.4344, 13.9277



36.3836, 21.1037, 17.4235



19.7446, 32.7177, 15.1727



8.0989, 8.0528, 8.8316



13.1232, 6.7118, 3.0282



0.3893, 0.1964, 0.2120

Previews

White Background



This preview shows how the XYZ color 21.4296, 13.4048, 42.0154 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 21.4296, 13.4048, 42.0154 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 21.4296, 13.4048, 42.0154

Background



This preview shows how black text looks on a background with the XYZ color 21.4296, 13.4048, 42.0154.



This preview shows how white text looks on a background with the XYZ color 21.4296, 13.4048,

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

21.4296, 13.4048, 42.0154

Protanopia

16.0206, 13.6234, 58.9119

Deuteranopia

13.9361, 13.5572, 39.4184



Tritanopia

15.4614, 13.2695, 13.3016

Trichromacy



Original Color

21.4296, 13.4048, 42.0154

Protanomaly

15.9394, 12.2855, 51.9833

Deuteranomaly

15.4062, 12.6466, 40.1571

Tritanomaly

17.0125, 12.9271, 21.3372

Monochromacy



Original Color

21.4296, 13.4048, 42.0154

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.4642, 13.1879, 22.8496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4296, 13.4048, 42.0154 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(144, 70, 175)` looks like.

```
.text, #text, p{  
    color:rgb(144, 70, 175)  
}
```

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(144, 70, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 70, 175) }
```

Border

The CSS property to change the border of an element to XYZ 21.4296, 13.4048, 42.0154 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(144, 70, 175) }
```


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

```
.border{ border-color:rgb(144, 70, 175) }
```

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

Here you see how a box with a 4 pixel rgb(144, 70, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 70, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 70, 175);  
box-shadow:4px 4px 4px 4px rgb(144, 70,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4296, 13.4048, 42.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 70, 175) }
```

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

```
.background{ background-color: rgb(144, 70,  
175) }
```

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