

Converting Colors

XYZ(21.3629, 13.7148, 44.6369)

Have a look what the booklet for
XYZ(21.3629, 13.7148, 44.6369)
contains.

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Color

**XYZ(21.3345, 13.6818,
44.6964)**

Conversions

Conversions Part 1

Format	Color
Hex	8B4AB4
RGB	139, 74, 180
RGB Percent	55%, 29%, 71%
CMY	0.4549, 0.7098, 0.2941
CMYK	0.23, 0.59, 0.00, 0.29
HSL	277°, 42%, 50%
HSV	277°, 59%, 71%
XYZ	21.3345, 13.6818, 44.6964
YIQ	105.5190, 4.7140, 46.7460

Conversions

Conversions Part 2

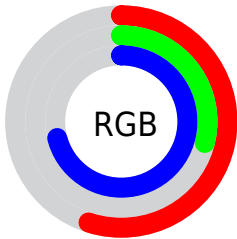
Format	Color
R_{YB}	139, 74, 180
Decimal	9128628
CIE _{Lab}	43.77, 46.23, -45.58
CIE _{LCh}	44, 64.919, 315.401
Yxy	13.6818, 0.2676, 0.1716
Android (android.graphics.Color)	4287318708 (0xFF8B4AB4)
YUV	105.5190, 36.7191, 29.3628
Hunter-Lab	36.9889, 38.2248, -45.7522

Details

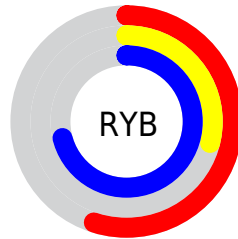
The XYZ color **21.3345, 13.6818, 44.6964** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.6277, 36.7820, 12.2806**, and the grayscale version is **13.4710, 14.1725, 15.4339**.

A 20% lighter version of the original color is **45.1069, 32.5799, 83.2680**, and **7.7991, 4.0115, 20.1019** is the 20% darker color. If you saturate the color by 10%, you get **19.1746, 11.0327, 44.2991**, and if you desaturate by 10%, it is **23.9134, 17.0577, 45.2123**.

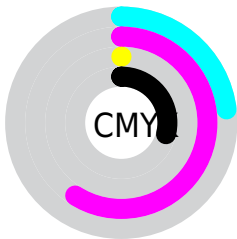
Distribution



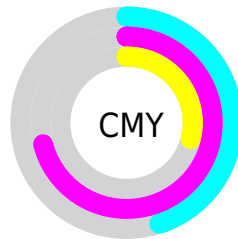
- Red (55%)
- Green (29%)
- Blue (71%)



- Red (55%)
- Yellow (29%)
- Blue (71%)



- Cyan (23%)
- Magenta (59%)
- Yellow (0%)
- Black (29%)



- Cyan (45%)
- Magenta (71%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3345, 13.6818, 44.6964 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 21.3345, 13.6818, 44.6964 by changing the saturation by 10% instead.

■ 21.3345, 13.6818,
44.6964

■ 21.3345, 13.6818,
44.6964

251.7491,
215.2422, 381.6668

■ 13.4826, 7.8997,
30.8772

■ 45.1307, 32.5234,
83.5783

■ 7.8410, 4.0308,
20.2476

■ 61.8056, 46.3516,
109.4779

■ 4.0443, 1.6908,
12.3893

■ 82.1523, 63.6306,
140.2415

■ 1.7272, 0.4177,
6.8837

■ 106.5361, 84.7449,
176.2875

■ 0.4732, 0.0000,
3.3121

■ 135.3223,
110.0788, 218.0345

■ 0.0000, 0.0000,
1.2561

168.8763,

■ 0.0000, 0.0000,

140.0168, 265.9011

0.0254

207.5634,
174.9431, 320.3056

■ 0.0000, 0.0000,
0.0000

■ 21.3345, 13.6818,
44.6964

■ 21.3345, 13.6818,
44.6964

■ 19.1746, 11.0327,
44.2991

■ 23.9134, 17.0577,
45.2123

■ 17.4003, 9.0475,
44.0095

■ 26.9375, 21.2128,
45.8550

■ 15.9755, 7.6554,
43.8159

■ 30.4327, 26.1964,
46.6327

■ 14.8350, 6.7283,
43.6970

■ 34.4223, 32.0530,
47.5528

■ 14.7161, 6.6347,
43.6852

■ 38.9280, 38.8243,
48.6223

■ 43.9700, 46.5487,
49.8476

■ 49.5674, 55.2630,
51.2346

■ 55.7383, 65.0014,
52.7891

■ 62.4999, 75.7970,
54.5164

Harmonies

Analogous

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



15.7934, 13.6818, 61.8595



21.3345, 13.6818, 44.6964



25.0250, 13.6818, 23.1794

Triad

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



21.3345, 13.6818, 44.6964



15.6425, 13.6818, 0.8842



5.6428, 13.6818, 23.6944

Complementary

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



21.3345, 13.6818, 44.6964



24.6277, 36.7820, 12.2806

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.



5.6224, 13.6818, 8.8683



21.3345, 13.6818, 44.6964



10.5643, 13.6818, 0.9007

Square

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



21.3345, 13.6818, 44.6964



21.1994, 13.6818, 2.4983



7.1854, 13.6818, 2.5840



7.2511, 13.6818, 45.2787

Rectangle

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



21.3345, 13.6818, 44.6964



25.4509, 13.6818, 12.4012



7.1854, 13.6818, 2.5840



5.4674, 13.6818, 17.7073

Sweetspot

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



21.3351, 13.6823, 44.6967



62.8625, 58.7845, 86.3279



17.3542, 17.3348, 45.6115



13.1138, 12.0039, 18.5481



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.



21.3351, 13.6823, 44.6967



33.6224, 18.6791, 80.1279



28.4705, 17.4808, 39.6072



8.5254, 8.4794, 10.6937



10.3477, 4.6702, 30.4931



0.3885, 0.1794, 0.9624

Inverse Universe

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



24.3659, 15.8390, 17.9927



40.3945, 23.4110, 24.3843



20.7695, 34.7482, 14.1241



8.6279, 8.5579, 9.5389



13.9309, 7.0899, 4.7961



0.4674, 0.2347, 0.3039

Previews

White Background



This preview shows how the XYZ color 21.3345, 13.6818, 44.6964 looks on a white background.

Color Contrast Check

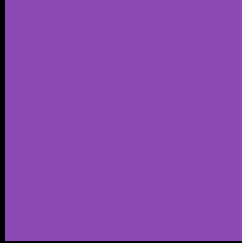
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3345, 13.6818, 44.6964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

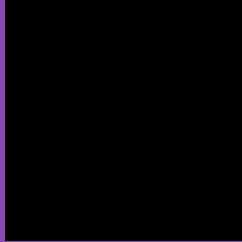
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3345, 13.6818, 44.6964

Background



This preview shows how black text looks on a background with the XYZ color 21.3345, 13.6818, 44.6964.



This preview shows how white text looks on a background with the XYZ color 21.3345, 13.6818,

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

21.3345, 13.6818, 44.6964

Protanopia

16.4793, 13.9594, 60.8574

Deuteranopia

14.3224, 13.9999, 41.9918



Tritanopia

15.1446, 13.5993, 14.6587

Trichromacy



Original Color

21.3345, 13.6818, 44.6964



Protanomaly

16.4916, 12.8911, 54.4424



Deuteranomaly

15.6769, 13.1184, 42.7801



Tritanomaly

16.8650, 13.2804, 23.1472

Monochromacy



Original Color

21.3345, 13.6818, 44.6964



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

15.7076, 13.5504, 23.9779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3345, 13.6818, 44.6964 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(139, 74, 180)` looks like.

```
.text, #text, p{  
    color:rgb(139, 74, 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(139, 74, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 74, 180) }
```

Border

The CSS property to change the border of an element to XYZ 21.3345, 13.6818, 44.6964 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(139, 74, 180) }
```


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

```
.border{ border-color:rgb(139, 74, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 74, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 74, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 74, 180);  
box-shadow:4px 4px 4px 4px rgb(139, 74,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3345, 13.6818, 44.6964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 74, 180) }
```

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

```
.background{ background-color: rgb(139, 74,  
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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