

Converting Colors

XYZ(24.2756, 23.8732, 45.1399)

Have a look what the booklet for
XYZ(24.2756, 23.8732, 45.1399)
contains.

XYZ(24.2131, 23.8144, 44.9154)	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(24.2131, 23.8144,
44.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	7A84B1
RGB	122, 132, 177
RGB Percent	48%, 52%, 69%
CMY	0.5216, 0.4823, 0.3059
CMYK	0.31, 0.25, 0.00, 0.31
HSL	229°, 26%, 59%
HSV	229°, 31%, 69%
XYZ	24.2131, 23.8144, 44.9154
YIQ	134.1400, -20.4050, 11.8750

Conversions

Conversions Part 2

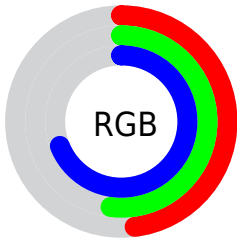
Format	Color
R_{YB}	122, 130, 177
Decimal	8029361
CIE _{Lab}	55.90, 7.04, -24.91
CIE _{LCh}	56, 25.890, 285.783
Yxy	23.8144, 0.2605, 0.2562
Android (android.graphics.Color)	4286219441 (0xFF7A84B1)
YUV	134.1400, 21.1300, -10.6468
Hunter-Lab	48.8000, 3.1664, -20.4104

Details

The XYZ color **24.2131, 23.8144, 44.9154** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **35.4635, 38.3901, 23.9541**, and the grayscale version is **22.6422, 23.8213, 25.9414**.

A 20% lighter version of the original color is **49.9614, 49.8112, 84.0721**, and **9.3299, 8.9813, 20.3106** is the 20% darker color. If you saturate the color by 10%, you get **20.1021, 18.9798, 44.1993**, and if you desaturate by 10%, it is **29.0548, 29.4314, 45.7448**.

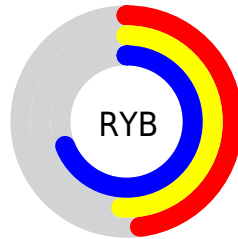
Distribution



Red (48%)

Green (52%)

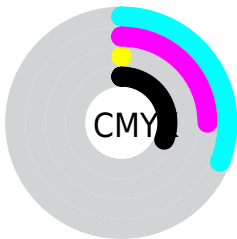
Blue (69%)



Red (48%)

Yellow (51%)

Blue (69%)

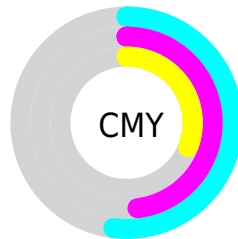


Cyan (31%)

Magenta (25%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (48%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2131, 23.8144, 44.9154 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 24.2131, 23.8144, 44.9154 by changing the saturation by 10% instead.

■ 24.2131, 23.8144,
44.9154

■ 24.2131, 23.8144,
44.9154

266.3166,
271.8808, 382.5810

■ 15.6174, 15.1960,
31.0483

■ 49.8299, 49.7272,
83.9105

■ 9.3429, 8.9571,
20.3769

■ 67.5816, 67.7903,
109.8757

■ 5.0244, 4.7132,
12.4825

■ 89.1161, 89.7705,
140.7107

■ 2.2965, 2.0800,
6.9467

114.7986,
116.0521, 176.8339

■ 0.7929, 0.6533,
3.3508

144.9946,
147.0196, 218.6640

■ 0.0000, 0.0000,
1.2764

180.0693,

■ 0.0000, 0.0000,

183.0572, 266.6196

0.0424

220.3882,
224.5495, 321.1190

■ 0.0000, 0.0000,
0.0000

■ 24.2131, 23.8144,
44.9154

■ 24.2131, 23.8144,
44.9154

■ 20.1021, 18.9798,
44.1993

■ 29.0548, 29.4314,
45.7448

■ 16.6835, 14.8898,
43.5900

■ 34.6582, 35.8609,
46.6905

■ 13.9188, 11.5073,
43.0829

■ 41.0554, 43.1348,
47.7573

■ 11.7652, 8.7911,
42.6721

■ 48.2762, 51.2823,
48.9494

■ 10.1739, 6.6953,
42.3514

■ 56.3484, 60.3315,
50.2706

■ 9.0889, 5.1681,
42.1139

■ 65.2989, 70.3089,
51.7247

■ 8.4573, 4.2173,
41.9636

■ 75.1531, 81.2400,
53.3152

■ 82.6992, 91.4811,
54.8942

■ 84.9359, 95.9544,
55.6398

Harmonies

Analogous

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



21.2701, 23.8144, 45.0814



24.2131, 23.8144, 44.9154



26.9487, 23.8144, 38.9894

Triad

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



24.2131, 23.8144, 44.9154



26.8257, 23.8144, 15.9422



17.5693, 23.8144, 22.1411

Complementary

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



24.2131, 23.8144, 44.9154



35.4635, 38.3901, 23.9541

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.



18.8079, 23.8144, 16.1703



24.2131, 23.8144, 44.9154



24.0568, 23.8144, 13.1547

Square

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



24.2131, 23.8144, 44.9154



28.5441, 23.8144, 21.7573



21.1268, 23.8144, 13.2279



17.6032, 23.8144, 30.6044

Rectangle

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



24.2131, 23.8144, 44.9154



28.2124, 23.8144, 33.1809



21.1268, 23.8144, 13.2279



17.8456, 23.8144, 19.8205

Sweetspot

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



24.2139, 23.8153, 44.9160



64.1574, 66.6056, 83.9700



30.7161, 38.3693, 42.3064



13.5671, 14.0502, 18.1412



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.



24.2139, 23.8153, 44.9160



38.3919, 36.8174, 79.5783



25.6132, 22.6191, 44.6113



8.1628, 8.4718, 10.7113



6.1607, 3.1219, 30.4149



0.2312, 0.1730, 0.9694

Inverse Universe

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



29.2565, 24.9329, 25.1013



48.8823, 39.4035, 38.2982



33.6496, 40.2806, 24.4146



8.5574, 8.5297, 9.1676



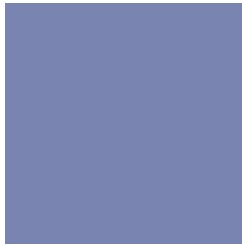
13.3443, 6.8553, 1.7072



0.4387, 0.2232, 0.1531

Previews

White Background



This preview shows how the XYZ color 24.2131, 23.8144, 44.9154 looks on a white 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

Black Background



This preview shows how the XYZ color 24.2131, 23.8144, 44.9154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

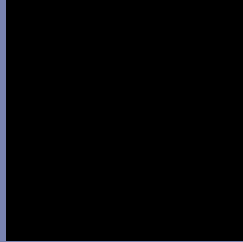
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2131, 23.8144, 44.9154

Background



This preview shows how black text looks on a background with the XYZ color 24.2131, 23.8144, 44.9154.



This preview shows how white text looks on a background with the XYZ color 24.2131, 23.8144,

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

24.2131, 23.8144, 44.9154

Protanopia

24.0722, 23.7418, 44.9089

Deuteranopia

24.3555, 23.8878, 44.9221



Tritanopia

21.4934, 23.7424, 31.4669

Trichromacy



Original Color

24.2131, 23.8144, 44.9154

Protanomaly

24.0722, 23.7418, 44.9089

Deuteranomaly

24.3555, 23.8878, 44.9221

Tritanomaly

22.3932, 23.6827, 36.1919

Monochromacy



Original Color

24.2131, 23.8144, 44.9154

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.0985, 23.7229, 32.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2131, 23.8144, 44.9154 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(122, 132, 177)` looks like.

```
.text, #text, p{  
    color:rgb(122, 132, 177)  
}
```

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(122, 132, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 132, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.2131, 23.8144, 44.9154 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(122, 132, 177) }
```


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

```
.border{ border-color:rgb(122, 132, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 132, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 132, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 132, 177);  
box-shadow:4px 4px 4px 4px rgb(122, 132,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2131, 23.8144, 44.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 132, 177) }
```

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

```
.background{ background-color: rgb(122,  
132, 177) }
```

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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