

Converting Colors

XYZ(24.3245, 20.2709, 44.1963)

Have a look what the booklet for
XYZ(24.3245, 20.2709, 44.1963)
contains.

XYZ(24.3774, 20.2516, 44.2191)	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(24.3774, 20.2516,
44.2191)**

Conversions

Conversions Part 1

Format	Color
Hex	8B70B1
RGB	139, 112, 177
RGB Percent	55%, 44%, 69%
CMY	0.4549, 0.5608, 0.3059
CMYK	0.21, 0.37, 0.00, 0.31
HSL	265°, 29%, 57%
HSV	265°, 37%, 69%
XYZ	24.3774, 20.2516, 44.2191
YIQ	127.4830, -4.7730, 25.9390

Conversions

Conversions Part 2

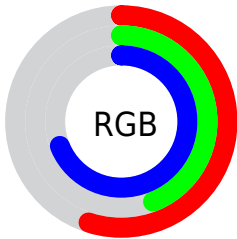
Format	Color
R_{YB}	139, 112, 177
Decimal	9138353
CIE _{Lab}	52.12, 24.05, -30.66
CIE _{LCh}	52, 38.969, 308.117
Yxy	20.2516, 0.2744, 0.2279
Android (android.graphics.Color)	4287328433 (0xFF8B70B1)
YUV	127.4830, 24.4119, 10.1004
Hunter-Lab	45.0018, 17.9401, -26.7576

Details

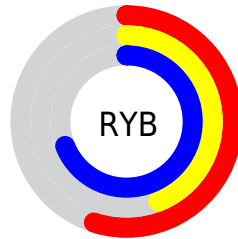
The XYZ color **24.3774, 20.2516, 44.2191** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.2250, 39.0986, 21.2311**, and the grayscale version is **20.2592, 21.3143, 23.2113**.

A 20% lighter version of the original color is **50.2316, 43.9034, 82.9175**, and **9.4020, 7.1483, 19.9530** is the 20% darker color. If you saturate the color by 10%, you get **20.9663, 15.8738, 43.5542**, and if you desaturate by 10%, it is **28.3373, 25.4831, 45.0205**.

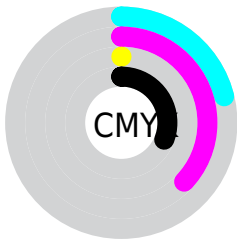
Distribution



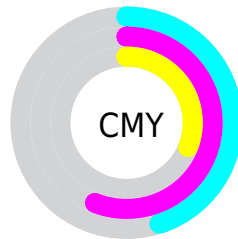
- Red (55%)
- Green (44%)
- Blue (69%)



- Red (55%)
- Yellow (44%)
- Blue (69%)



- Cyan (21%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (45%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3774, 20.2516, 44.2191 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 24.3774, 20.2516, 44.2191 by changing the saturation by 10% instead.

■ 24.3774, 20.2516,
44.2191

■ 24.3774, 20.2516,
44.2191

267.1282,
253.2739, 379.6691

■ 15.7401, 12.5781,
30.5043

■ 50.0956, 43.8386,
82.8533

■ 9.4301, 7.1387,
19.9664

■ 67.9071, 60.5209,
108.6099

■ 5.0821, 3.5490,
12.1868

■ 89.5074, 80.9748,
139.2174

■ 2.3308, 1.4246,
6.7469

■ 115.2619,
105.5849, 175.0945

■ 0.8103, 0.2348,
3.2283

145.5358,
134.7354, 216.6597

■ 0.0000, 0.0000,
1.2124

180.6946,

■ 0.0000, 0.0000,

168.8109, 264.3315

0.0000

221.1036,
208.1956, 318.5284

■ 24.3774, 20.2516,
44.2191

■ 24.3774, 20.2516,
44.2191

■ 20.9663, 15.8738,
43.5542

■ 28.3373, 25.4831,
45.0205

■ 18.0749, 12.2997,
43.0167

■ 32.8691, 31.6097,
45.9642

■ 15.6741, 9.4778,
42.5986

■ 37.9969, 38.6728,
47.0573

■ 13.7309, 7.3493,
42.2902

■ 43.7427, 46.7106,
48.3059

■ 12.2074, 5.8462,
42.0803

■ 50.1275, 55.7591,
49.7159

■ 11.0526, 4.8746,
41.9537

■ 57.1711, 65.8523,
51.2929

■ 10.7233, 4.6113,
41.9202

■ 64.8926, 77.0229,
53.0420

■ 73.3099, 89.3019,
54.9685

■ 77.0173, 91.8722,
55.2692

Harmonies

Analogous

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



20.3510, 20.2516, 51.6987



24.3774, 20.2516, 44.2191



27.2721, 20.2516, 31.2847

Triad

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



24.3774, 20.2516, 44.2191



22.2486, 20.2516, 7.3104



12.6146, 20.2516, 25.2970

Complementary

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



24.3774, 20.2516, 44.2191



31.2250, 39.0986, 21.2311

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.



12.9767, 20.2516, 14.8398



24.3774, 20.2516, 44.2191



18.1866, 20.2516, 6.6774

Square

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



24.3774, 20.2516, 44.2191



25.9297, 20.2516, 11.0875



14.8948, 20.2516, 8.8977



13.8266, 20.2516, 38.5633

Rectangle

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



24.3774, 20.2516, 44.2191



27.9694, 20.2516, 22.7797



14.8948, 20.2516, 8.8977



12.5598, 20.2516, 21.3371

Sweetspot

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



24.3781, 20.2524, 44.2196



63.8147, 63.4001, 83.3693



25.6852, 28.7530, 45.7914



13.5686, 13.3802, 18.0118



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.



24.3781, 20.2524, 44.2196



38.6783, 29.8575, 78.2198



30.4164, 23.3653, 44.5021



8.3653, 8.3968, 10.6862



7.8352, 3.3750, 30.3755



0.3136, 0.1408, 0.9589

Inverse Universe

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



29.4312, 23.1382, 31.7698



49.2892, 35.9264, 51.6623



26.1867, 36.5013, 20.9953



8.6977, 8.5858, 9.9066



14.9588, 7.5011, 10.2092



0.4989, 0.2473, 0.4699

Previews

White Background



This preview shows how the XYZ color 24.3774, 20.2516, 44.2191 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 24.3774, 20.2516, 44.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

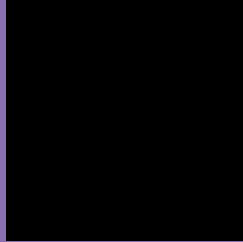
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3774, 20.2516, 44.2191

Background



This preview shows how black text looks on a background with the XYZ color 24.3774, 20.2516, 44.2191.



This preview shows how white text looks on a background with the XYZ color 24.3774, 20.2516,

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

24.3774, 20.2516, 44.2191

Protanopia

21.3100, 20.3054, 48.6951

Deuteranopia

20.8842, 20.3869, 43.3918



Tritanopia

20.2942, 20.1387, 24.2903

Trichromacy



Original Color

24.3774, 20.2516, 44.2191

Protanomaly

22.1244, 20.0473, 46.9594

Deuteranomaly

22.0410, 20.2502, 43.8213

Tritanomaly

21.6552, 20.1633, 30.7675

Monochromacy



Original Color

24.3774, 20.2516, 44.2191

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.4304, 20.7887, 29.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3774, 20.2516, 44.2191 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, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(139, 112, 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(139, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.3774, 20.2516, 44.2191 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, 112, 177) }
```


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

```
.border{ border-color:rgb(139, 112, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(139, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3774, 20.2516, 44.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 112, 177) }
```

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

```
.background{ background-color: rgb(139,  
112, 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](#).

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