

Converting Colors

XYZ(24.6166, 20.4323, 45.0296)

Have a look what the booklet for
XYZ(24.6166, 20.4323, 45.0296)
contains.

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Color

**XYZ(24.5783, 20.3320,
45.2769)**

Conversions

Conversions Part 1

Format	Color
Hex	8B70B3
RGB	139, 112, 179
RGB Percent	55%, 44%, 70%
CMY	0.4549, 0.5608, 0.2980
CMYK	0.22, 0.37, 0.00, 0.30
HSL	264°, 31%, 57%
HSV	264°, 37%, 70%
XYZ	24.5783, 20.3320, 45.2769
YIQ	127.7110, -5.4150, 26.5610

Conversions

Conversions Part 2

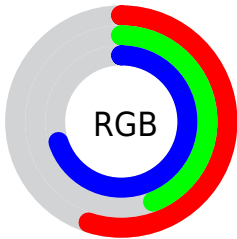
Format	Color
R _Y B	139, 112, 179
Decimal	9138355
CIE Lab	52.21, 24.54, -31.68
CIE LCh	52, 40.068, 307.762
Yxy	20.3320, 0.2725, 0.2254
Android (android.graphics.Color)	4287328435 (0xFF8B70B3)
YUV	127.7110, 25.2855, 9.9005
Hunter-Lab	45.0910, 18.3878, -27.9707

Details

The XYZ color **24.5783, 20.3320, 45.2769** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.9943, 40.0860, 21.3812**, and the grayscale version is **20.3351, 21.3941, 23.2982**.

A 20% lighter version of the original color is **50.5190, 44.0184, 84.4310**, and **9.5298, 7.1994, 20.6260** is the 20% darker color. If you saturate the color by 10%, you get **21.0982, 15.8921, 44.6037**, and if you desaturate by 10%, it is **28.6269, 25.6487, 46.0901**.

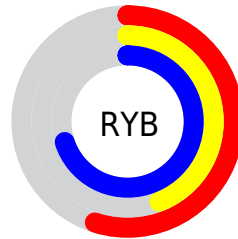
Distribution



Red (55%)

Green (44%)

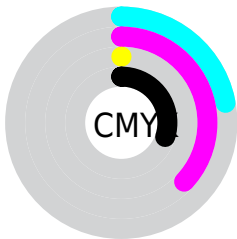
Blue (70%)



Red (55%)

Yellow (44%)

Blue (70%)

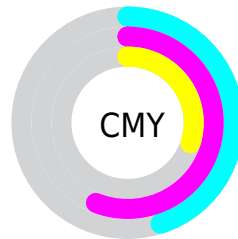


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (45%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5783, 20.3320, 45.2769 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 24.5783, 20.3320, 45.2769 by changing the saturation by 10% instead.

■ 24.5783, 20.3320,
45.2769

■ 24.5783, 20.3320,
45.2769

268.1178,
253.7068, 384.0866

■ 15.8902, 12.6366,
31.3311

■ 50.4201, 43.9731,
84.4586

■ 9.5368, 7.1788,
20.5905

■ 68.3045, 60.6876,
110.5316

■ 5.1529, 3.5742,
12.6367

■ 89.9851, 81.1773,
141.4840

■ 2.3729, 1.4383,
7.0511

■ 115.8272,
105.8265, 177.7344

■ 0.8316, 0.2447,
3.4151

146.1962,
135.0197, 219.7013

■ 0.0000, 0.0000,
1.3103

181.4574,

■ 0.0000, 0.0000,

169.1412, 267.8033

0.0702

221.9761,
208.5754, 322.4589

0.0000, 0.0000,
0.0000

24.5783, 20.3320,
45.2769

24.5783, 20.3320,
45.2769

21.0982, 15.8921,
44.6037

28.6269, 25.6487,
46.0901

18.1560, 12.2772,
44.0610

33.2681, 31.8851,
47.0492

15.7215, 9.4336,
43.6404

38.5271, 39.0842,
48.1616

13.7600, 7.3002,
43.3320

44.4270, 47.2855,
49.4337

12.2315, 5.8059,
43.1242

50.9895, 56.5264,
50.8714

■ 11.0791, 4.8457,
42.9996

■ 58.2354, 66.8421,
52.4807

■ 10.8192, 4.6376,
42.9731

■ 66.1845, 78.2663,
54.2668

■ 74.7909, 90.7012,
56.2134

■ 78.2178, 92.4678,
56.3738

Harmonies

Analogous

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



20.4118, 20.3320, 52.9781



24.5783, 20.3320, 45.2769



27.5994, 20.3320, 31.8530

Triad

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



24.5783, 20.3320, 45.2769



22.4719, 20.3320, 7.1045



12.5061, 20.3320, 25.3370

Complementary

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



24.5783, 20.3320, 45.2769



31.9943, 40.0860, 21.3812

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.



12.8955, 20.3320, 14.6314



24.5783, 20.3320, 45.2769



18.2774, 20.3320, 6.4350

Square

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



24.5783, 20.3320, 45.2769



26.2681, 20.3320, 10.9715



14.8792, 20.3320, 8.6354



13.7277, 20.3320, 39.0868

Rectangle

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



24.5783, 20.3320, 45.2769



28.3436, 20.3320, 23.0334



14.8792, 20.3320, 8.6354



12.4565, 20.3320, 21.2663

Sweetspot

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



24.5790, 20.3328, 45.2774



65.3295, 64.9474, 85.4740



26.0802, 29.2216, 46.9140



14.1932, 14.0046, 18.8774



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.



24.5790, 20.3328, 45.2774



38.7577, 29.6839, 80.0680



31.0106, 23.6484, 45.5784



8.3554, 8.3917, 10.6857



7.7149, 3.3130, 30.3698



0.3095, 0.1387, 0.9587

Inverse Universe

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



30.0527, 23.4398, 32.6469



50.2566, 36.2219, 53.0405



26.6120, 37.3113, 21.1293



8.7022, 8.5876, 9.9300



15.0401, 7.5336, 10.6369



0.5012, 0.2482, 0.4818

Previews

White Background



This preview shows how the XYZ color 24.5783, 20.3320, 45.2769 looks on a white background.

Color Contrast Check

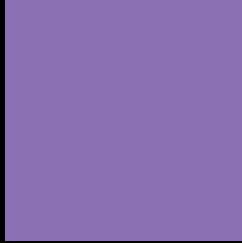
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5783, 20.3320, 45.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

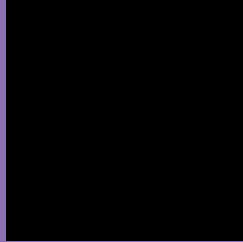
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5783, 20.3320, 45.2769

Background



This preview shows how black text looks on a background with the XYZ color 24.5783, 20.3320, 45.2769.



This preview shows how white text looks on a background with the XYZ color 24.5783, 20.3320,

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

24.5783, 20.3320, 45.2769

Protanopia

21.6395, 20.6215, 50.4168

Deuteranopia

20.9626, 20.4044, 44.4286



Tritanopia

20.4163, 20.3831, 24.3310

Trichromacy



Original Color

24.5783, 20.3320, 45.2769

Protanomaly

22.4240, 20.3413, 48.6433

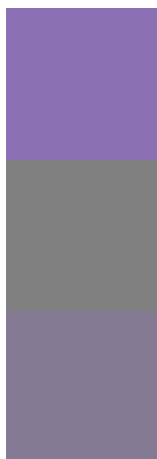
Deuteranomaly

22.1039, 20.2596, 44.8650

Tritanomaly

21.6552, 20.1633, 30.7675

Monochromacy



Original Color

24.5783, 20.3320, 45.2769

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.7417, 20.9312, 30.4980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5783, 20.3320, 45.2769 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(139, 112, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 112, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.5783, 20.3320, 45.2769 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, 179) }
```


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

```
.border{ border-color:rgb(139, 112, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 112, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 112, 179);  
box-shadow:4px 4px 4px 4px rgb(139, 112,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5783, 20.3320, 45.2769 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, 179) }
```

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

```
.background{ background-color: rgb(139,  
112, 179) }
```

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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