

Converting Colors

XYZ(24.8165, 20.8321, 45.0962)

Have a look what the booklet for
XYZ(24.8165, 20.8321, 45.0962)
contains.

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Color

**XYZ(24.8015, 20.7783,
45.3513)**

Conversions

Conversions Part 1

Format	Color
Hex	8B72B3
RGB	139, 114, 179
RGB Percent	55%, 45%, 70%
CMY	0.4549, 0.5529, 0.2980
CMYK	0.22, 0.36, 0.00, 0.30
HSL	263°, 30%, 57%
HSV	263°, 36%, 70%
XYZ	24.8015, 20.7783, 45.3513
YIQ	128.8850, -5.9650, 25.5150

Conversions

Conversions Part 2

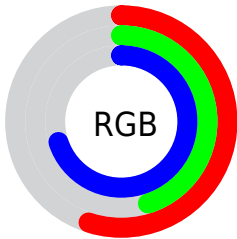
Format	Color
R _{YB}	139, 114, 179
Decimal	9138867
CIE _{Lab}	52.71, 23.36, -30.90
CIE _{LCh}	53, 38.740, 307.089
Yxy	20.7783, 0.2728, 0.2285
Android (android.graphics.Color)	4287328947 (0xFF8B72B3)
YUV	128.8850, 24.7067, 8.8709
Hunter-Lab	45.5832, 17.3499, -27.0801

Details

The XYZ color **24.8015, 20.7783, 45.3513** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.4844, 40.3256, 21.9920**, and the grayscale version is **20.7445, 21.8248, 23.7672**.

A 20% lighter version of the original color is **50.8797, 44.7399, 84.5513**, and **9.6446, 7.4290, 20.6643** is the 20% darker color. If you saturate the color by 10%, you get **21.2291, 16.2274, 44.6615**, and if you desaturate by 10%, it is **28.9558, 26.2166, 46.1824**.

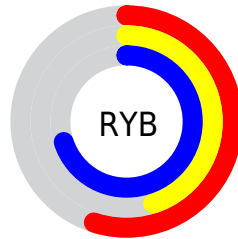
Distribution



Red (55%)

Green (45%)

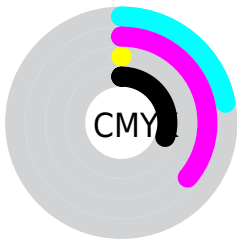
Blue (70%)



Red (55%)

Yellow (45%)

Blue (70%)

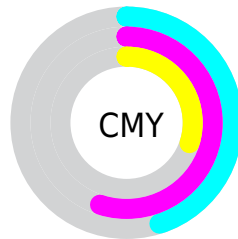


Cyan (22%)

Magenta (36%)

Yellow (0%)

Black (30%)



Cyan (45%)

Magenta (55%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8015, 20.7783, 45.3513 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 24.8015, 20.7783, 45.3513 by changing the saturation by 10% instead.

■ 24.8015, 20.7783,
45.3513

■ 24.8015, 20.7783,
45.3513

269.2139,
256.0979, 384.3960

■ 16.0572, 12.9620,
31.3893

■ 50.7802, 44.7183,
84.5714

■ 9.6557, 7.4024,
20.6345

■ 68.7453, 61.6108,
110.6664

■ 5.2318, 3.7150,
12.6685

■ 90.5148, 82.2975,
141.6430

■ 2.4201, 1.5155,
7.0726

■ 116.4538,
107.1628, 177.9195

■ 0.8551, 0.2996,
3.4284

146.9279,
136.5911, 219.9145

■ 0.0000, 0.0000,
1.3173

182.3024,

■ 0.0000, 0.0000,

170.9668, 268.0466

0.0759

222.9426,
210.6743, 322.7342

■ 0.0000, 0.0000,
0.0000

■ 24.8015, 20.7783,
45.3513

■ 24.8015, 20.7783,
45.3513

■ 21.2291, 16.2274,
44.6615

■ 28.9558, 26.2166,
46.1824

■ 18.2079, 12.5123,
44.1037

■ 33.7163, 32.5851,
47.1607

■ 15.7072, 9.5797,
43.6694

■ 39.1085, 39.9266,
48.2936

■ 13.6922, 7.3691,
43.3489

■ 45.1558, 48.2806,
49.5873

■ 12.1233, 5.8103,
43.1307

■ 51.8802, 57.6845,
51.0481

■ 10.9493, 4.8110,
42.9997

■ 59.3027, 68.1734,
52.6814

■ 10.5802, 4.5143,
42.9619

■ 67.4435, 79.7812,
54.4929

■ 75.6148, 91.1260,
56.2520

■ 79.2039, 92.9762,
56.4199

Harmonies

Analogous

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



20.7211, 20.7783, 52.5730



24.8015, 20.7783, 45.3513



27.7829, 20.7783, 32.4122

Triad

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



24.8015, 20.7783, 45.3513



22.9227, 20.7783, 7.7190



13.0132, 20.7783, 25.4753

Complementary

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



24.8015, 20.7783, 45.3513



32.4844, 40.3256, 21.9920

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.



13.4358, 20.7783, 15.0363



24.8015, 20.7783, 45.3513



18.8080, 20.7783, 6.9723

Square

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



24.8015, 20.7783, 45.3513



26.5993, 20.7783, 11.7046



15.4342, 20.7783, 9.1352



14.1893, 20.7783, 38.8233

Rectangle

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



24.8015, 20.7783, 45.3513



28.5449, 20.7783, 23.7702



15.4342, 20.7783, 9.1352



12.9759, 20.7783, 21.5153

Sweetspot

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



24.8022, 20.7791, 45.3518



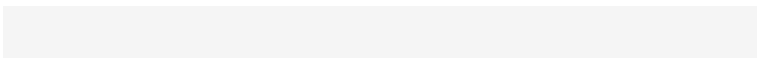
65.1905, 64.8757, 85.4675



26.6462, 29.9715, 47.0289



14.1591, 13.9871, 18.8758



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.



24.8022, 20.7791, 45.3518



38.9574, 30.2396, 80.1647



31.0401, 23.9949, 45.6437



8.3407, 8.3842, 10.6850



7.5443, 3.2250, 30.3619



0.3037, 0.1357, 0.9584

Inverse Universe

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



30.4411, 23.9522, 33.5913



50.8717, 36.9560, 54.7753



27.1252, 37.5629, 21.7412



8.7087, 8.5902, 9.9646



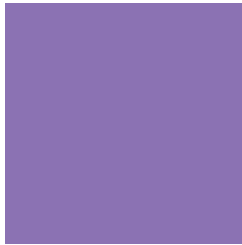
15.1641, 7.5832, 11.2903



0.5046, 0.2496, 0.4998

Previews

White Background



This preview shows how the XYZ color 24.8015, 20.7783, 45.3513 looks on a white background.

Color Contrast Check

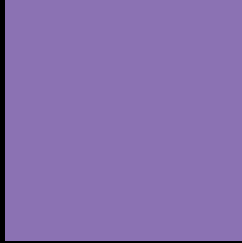
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8015, 20.7783, 45.3513 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 24.8015, 20.7783, 45.3513

Background



This preview shows how black text looks on a background with the XYZ color 24.8015, 20.7783, 45.3513.



This preview shows how white text looks on a background with the XYZ color 24.8015, 20.7783,

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

24.8015, 20.7783, 45.3513

Protanopia

22.0030, 21.0064, 49.9087

Deuteranopia

21.4538, 21.0297, 44.5234



Tritanopia

20.6767, 20.6847, 25.0931

Trichromacy



Original Color

24.8015, 20.7783, 45.3513

Protanomaly

22.7043, 20.6755, 48.1415

Deuteranomaly

22.4810, 20.8110, 44.9515

Tritanomaly

22.0530, 20.7033, 31.6880

Monochromacy



Original Color

24.8015, 20.7783, 45.3513

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1470, 21.5084, 30.5880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8015, 20.7783, 45.3513 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, 114, 179)` looks like.

```
.text, #text, p{  
    color:rgb(139, 114, 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, 114, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 114, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.8015, 20.7783, 45.3513 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, 114, 179) }
```


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

```
.border{ border-color:rgb(139, 114, 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, 114, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 114, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 114, 179);  
box-shadow:4px 4px 4px 4px rgb(139, 114,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8015, 20.7783, 45.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 114, 179) }
```

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

```
.background{ background-color: rgb(139,  
114, 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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