

Converting Colors

XYZ(24.6243, 20.5858, 44.7707)

Have a look what the booklet for
XYZ(24.6243, 20.5858, 44.7707)
contains.

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Color

**XYZ(24.5885, 20.5136,
44.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	8B71B2
RGB	139, 113, 178
RGB Percent	55%, 44%, 70%
CMY	0.4549, 0.5569, 0.3020
CMYK	0.22, 0.37, 0.00, 0.30
HSL	264°, 30%, 57%
HSV	264°, 37%, 70%
XYZ	24.5885, 20.5136, 44.7830
YIQ	128.1840, -5.3690, 25.7270

Conversions

Conversions Part 2

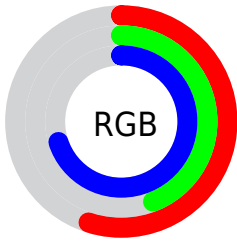
Format	Color
R_{YB}	139, 113, 178
Decimal	9138610
CIE _{Lab}	52.41, 23.71, -30.78
CIE _{LCh}	52, 38.854, 307.603
Yxy	20.5136, 0.2736, 0.2282
Android (android.graphics.Color)	4287328690 (0xFF8B71B2)
YUV	128.1840, 24.5593, 9.4856
Hunter-Lab	45.2919, 17.6448, -26.9194

Details

The XYZ color **24.5885, 20.5136, 44.7830** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.8504, 39.7089, 21.6095**, and the grayscale version is **20.5010, 21.5687, 23.4883**.

A 20% lighter version of the original color is **50.5546, 44.3201, 83.7320**, and **9.5224, 7.2875, 20.3068** is the 20% darker color. If you saturate the color by 10%, you get **21.0971, 16.0496, 44.1057**, and if you desaturate by 10%, it is **28.6451, 25.8480, 45.5992**.

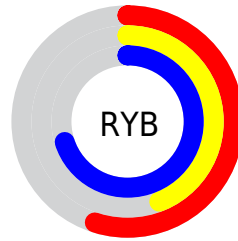
Distribution



Red (55%)

Green (44%)

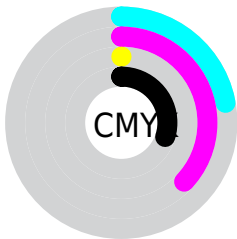
Blue (70%)



Red (55%)

Yellow (44%)

Blue (70%)

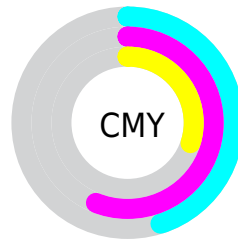


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (45%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5885, 20.5136, 44.7830 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 24.5885, 20.5136, 44.7830 by changing the saturation by 10% instead.

■ 24.5885, 20.5136,
44.7830

■ 24.5885, 20.5136,
44.7830

268.1680,
254.6821, 382.0285

■ 15.8978, 12.7689,
30.9448

■ 50.4366, 44.2766,
83.7097

■ 9.5423, 7.2696,
20.2987

■ 68.3247, 61.0637,
109.6353

■ 5.1565, 3.6313,
12.4262

■ 90.0093, 81.6338,
140.4271

■ 2.3751, 1.4695,
6.9086

■ 115.8559,
106.3712, 176.5037

■ 0.8327, 0.2671,
3.3274

146.2297,
135.6604, 218.2836

■ 0.0000, 0.0000,
1.2641

181.4960,

■ 0.0000, 0.0000,

169.8856, 266.1853

0.0321

222.0204,
209.4314, 320.6274

■ 0.0000, 0.0000,
0.0000

■ 24.5885, 20.5136,
44.7830

■ 24.5885, 20.5136,
44.7830

■ 21.0971, 16.0496,
44.1057

■ 28.6451, 25.8480,
45.5992

■ 18.1408, 12.4052,
43.5581

■ 33.2904, 32.0948,
46.5601

■ 15.6899, 9.5281,
43.1319

■ 38.5493, 39.2962,
47.6729

■ 13.7106, 7.3585,
42.8175

■ 44.4445, 47.4911,
48.9440

■ 12.1639, 5.8274,
42.6035

■ 50.9974, 56.7159,
50.3792

■ 10.9989, 4.8418,
42.4746

■ 58.2284, 67.0055,
51.9842

■ 10.6492, 4.5616,
42.4390

■ 66.1572, 78.3930,
53.7643

■ 74.6735, 90.6524,
55.6817

■ 78.0971, 92.4173,
55.8419

Harmonies

Analogous

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



20.5352, 20.5136, 52.1346



24.5885, 20.5136, 44.7830



27.5265, 20.5136, 31.8453

Triad

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



24.5885, 20.5136, 44.7830



22.5839, 20.5136, 7.5127



12.8126, 20.5136, 25.3854

Complementary

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



24.5885, 20.5136, 44.7830



31.8504, 39.7089, 21.6095

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.



13.2048, 20.5136, 14.9373



24.5885, 20.5136, 44.7830



18.4955, 20.5136, 6.8236

Square

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



24.5885, 20.5136, 44.7830



26.2630, 20.5136, 11.3933



15.1628, 20.5136, 9.0156



14.0069, 20.5136, 38.6925

Rectangle

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



24.5885, 20.5136, 44.7830



28.2559, 20.5136, 23.2716



15.1628, 20.5136, 9.0156



12.7666, 20.5136, 21.4255

Sweetspot

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



24.5892, 20.5144, 44.7835



65.3069, 64.9357, 85.4730



26.0748, 29.1822, 46.3782



14.1876, 14.0018, 18.8771



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.



24.5892, 20.5144, 44.7835



39.2970, 30.4147, 80.1806



30.8453, 23.7395, 45.0762



8.3530, 8.3905, 10.6856



7.6866, 3.2984, 30.3685



0.3086, 0.1382, 0.9586

Inverse Universe

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



29.9333, 23.5430, 32.6729



50.6976, 36.8864, 53.8585



26.5782, 36.9909, 21.3628



8.7032, 8.5880, 9.9356



15.0599, 7.5415, 10.7412



0.5017, 0.2484, 0.4847

Previews

White Background



This preview shows how the XYZ color 24.5885, 20.5136, 44.7830 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 24.5885, 20.5136, 44.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

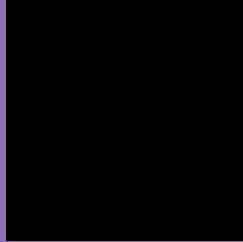
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5885, 20.5136, 44.7830

Background



This preview shows how black text looks on a background with the XYZ color 24.5885, 20.5136, 44.7830.



This preview shows how white text looks on a background with the XYZ color 24.5885, 20.5136,

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

24.5885, 20.5136, 44.7830

Protanopia

21.6548, 20.6541, 49.2997

Deuteranopia

21.1075, 20.6757, 43.9526



Tritanopia

20.4845, 20.4103, 24.6897

Trichromacy



Original Color

24.5885, 20.5136, 44.7830

Protanomaly

22.4802, 20.3945, 47.5514

Deuteranomaly

22.2600, 20.5292, 44.3843

Tritanomaly

21.8532, 20.4319, 31.2257

Monochromacy



Original Color

24.5885, 20.5136, 44.7830

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.7870, 21.1468, 30.1276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5885, 20.5136, 44.7830 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, 113, 178)` looks like.

```
.text, #text, p{  
    color:rgb(139, 113, 178)  
}
```

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, 113, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 113, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.5885, 20.5136, 44.7830 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, 113, 178) }
```


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

```
.border{ border-color:rgb(139, 113, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 113, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 113, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 113, 178);  
box-shadow:4px 4px 4px 4px rgb(139, 113,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5885, 20.5136, 44.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 113, 178) }
```

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

```
.background{ background-color: rgb(139,  
113, 178) }
```

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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