

Converting Colors

XYZ(24.2016, 20.5915, 41.5235)

Have a look what the booklet for
XYZ(24.2016, 20.5915, 41.5235)
contains.

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Color

**XYZ(24.2789, 20.5886,
41.7241)**

Conversions

Conversions Part 1

Format	Color
Hex	8C72AC
RGB	140, 114, 172
RGB Percent	55%, 45%, 67%
CMY	0.4510, 0.5529, 0.3255
CMYK	0.19, 0.34, 0.00, 0.33
HSL	267°, 26%, 56%
HSV	267°, 34%, 67%
XYZ	24.2789, 20.5886, 41.7241
YIQ	128.3860, -3.1220, 23.5500

Conversions

Conversions Part 2

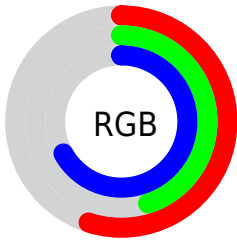
Format	Color
R _Y B	140, 114, 172
Decimal	9204396
CIE Lab	52.50, 22.01, -27.17
CIE LCh	52, 34.966, 309.004
Yxy	20.5886, 0.2804, 0.2378
Android (android.graphics.Color)	4287394476 (0xFF8C72AC)
YUV	128.3860, 21.5017, 10.1855
Hunter-Lab	45.3747, 16.1054, -22.7576

Details

The XYZ color **24.2789, 20.5886, 41.7241** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.6445, 36.8314, 21.4672**, and the grayscale version is **20.5808, 21.6526, 23.5797**.

A 20% lighter version of the original color is **49.8879, 44.3432, 79.3285**, and **9.3978, 7.3522, 18.3766** is the 20% darker color. If you saturate the color by 10%, you get **20.9876, 16.2780, 41.0659**, and if you desaturate by 10%, it is **28.0743, 25.7016, 42.5113**.

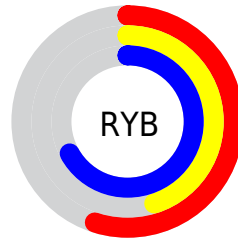
Distribution



Red (55%)

Green (45%)

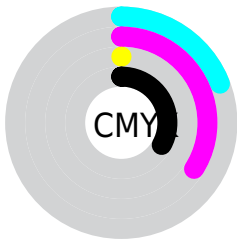
Blue (67%)



Red (55%)

Yellow (45%)

Blue (67%)

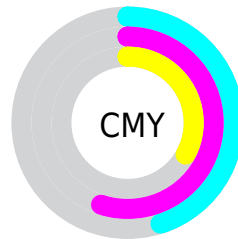


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (33%)



Cyan (45%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2789, 20.5886, 41.7241 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 24.2789, 20.5886, 41.7241 by changing the saturation by 10% instead.

■ 24.2789, 20.5886,
41.7241

■ 24.2789, 20.5886,
41.7241

266.6419,
255.0840, 369.1038

■ 15.6665, 12.8236,
28.5614

■ 49.9363, 44.4018,
79.0475

■ 9.3778, 7.3072,
18.5065

■ 67.7120, 61.2189,
104.0452

■ 5.0475, 3.6550,
11.1411

■ 89.2729, 81.8221,
133.8250

■ 2.3102, 1.4825,
6.0464

■ 114.9843,
106.5958, 168.8053

■ 0.7999, 0.2764,
2.8041

145.2115,
135.9245, 209.4049

■ 0.0000, 0.0000,
0.9955

180.3199,

■ 0.0000, 0.0000,

170.1924, 256.0421

0.0000

220.6749,
209.7842, 309.1356

■ 24.2789, 20.5886,
41.7241

■ 24.2789, 20.5886,
41.7241

■ 20.9876, 16.2780,
41.0659

■ 28.0743, 25.7016,
42.5113

■ 18.1744, 12.7244,
40.5282

■ 32.3940, 31.6540,
43.4326

■ 15.8138, 9.8819,
40.1040

■ 37.2595, 38.4835,
44.4944

■ 13.8769, 7.6981,
39.7846

■ 42.6904, 46.2247,
45.7023

■ 12.3309, 6.1131,
39.5601

■ 48.7053, 54.9103,
47.0618

■ 11.1367, 5.0553,
39.4189

■ 55.3220, 64.5714,
48.5778

■ 10.5154, 4.5607,
39.3562

■ 62.5573, 75.2375,
50.2553

■ 70.4276, 86.9372,
52.0987

■ 74.3856, 90.5720,
52.5917

Harmonies

Analogous

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



20.6772, 20.5886, 48.3954



24.2789, 20.5886, 41.7241



26.8040, 20.5886, 30.3355

Triad

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



24.2789, 20.5886, 41.7241



22.1672, 20.5886, 8.4928



13.4738, 20.5886, 25.6804

Complementary

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



24.2789, 20.5886, 41.7241



29.6445, 36.8314, 21.4672

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.



13.7691, 20.5886, 16.0131



24.2789, 20.5886, 41.7241



18.5008, 20.5886, 7.9415

Square

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



24.2789, 20.5886, 41.7241



25.4842, 20.5886, 12.0757



15.5111, 20.5886, 10.2311



14.6480, 20.5886, 37.4297

Rectangle

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



24.2789, 20.5886, 41.7241



27.3760, 20.5886, 22.7654



15.5111, 20.5886, 10.2311



13.4080, 20.5886, 22.0731

Sweetspot

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



24.2796, 20.5894, 41.7246



61.7770, 61.6258, 79.4447



24.7995, 27.3827, 43.0084



13.1715, 13.0375, 17.2100



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2796, 20.5894, 41.7246



39.7743, 31.7309, 74.8341



29.6411, 23.3534, 41.9755



7.9070, 7.9264, 10.0659



7.8866, 3.4255, 29.2900



0.2829, 0.1280, 0.8178

Inverse Universe

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



28.2195, 22.8814, 30.1241



48.1473, 36.6065, 49.9651



25.2436, 34.5627, 21.2612



8.1832, 8.0865, 9.2755



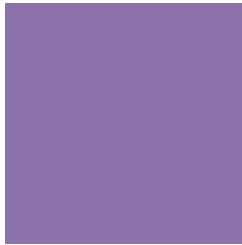
14.2223, 7.1515, 8.8158



0.4227, 0.2098, 0.3877

Previews

White Background



This preview shows how the XYZ color 24.2789, 20.5886, 41.7241 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 24.2789, 20.5886, 41.7241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

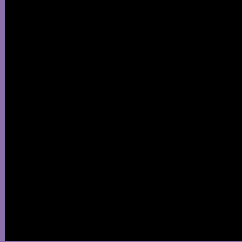
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2789, 20.5886, 41.7241

Background



This preview shows how black text looks on a background with the XYZ color 24.2789, 20.5886, 41.7241.



This preview shows how white text looks on a background with the XYZ color 24.2789, 20.5886,

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

24.2789, 20.5886, 41.7241

Protanopia

21.5287, 20.8581, 45.5392

Deuteranopia

21.1454, 20.7623, 40.9233



Tritanopia

20.7973, 20.5716, 24.7044

Trichromacy



Original Color

24.2789, 20.5886, 41.7241

Protanomaly

22.2987, 20.5606, 43.8676

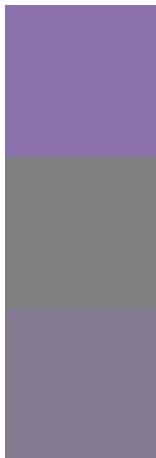
Deuteranomaly

22.0932, 20.5108, 41.3226

Tritanomaly

22.0166, 20.5345, 30.4069

Monochromacy



Original Color

24.2789, 20.5886, 41.7241

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.6327, 21.0851, 29.3152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2789, 20.5886, 41.7241 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(140, 114, 172)` looks like.

```
.text, #text, p{  
    color:rgb(140, 114, 172)  
}
```

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(140, 114, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 114, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.2789, 20.5886, 41.7241 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(140, 114, 172) }
```


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

```
.border{ border-color:rgb(140, 114, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 114, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 114, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 114, 172);  
box-shadow:4px 4px 4px 4px rgb(140, 114,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2789, 20.5886, 41.7241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 114, 172) }
```

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

```
.background{ background-color: rgb(140,  
114, 172) }
```

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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