

Converting Colors

XYZ(6.9009, 4.4011, 20.9095)

Have a look what the booklet for
XYZ(6.9009, 4.4011, 20.9095)
contains.

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Color

**XYZ(6.8745, 4.3763,
20.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	402B80
RGB	64, 43, 128
RGB Percent	25%, 17%, 50%
CMY	0.7490, 0.8314, 0.4980
CMYK	0.50, 0.66, 0.00, 0.50
HSL	255°, 50%, 34%
HSV	255°, 66%, 50%
XYZ	6.8745, 4.3763, 20.9044
YIQ	58.9690, -14.7690, 30.8870

Conversions

Conversions Part 2

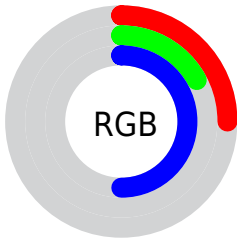
Format	Color
RYB	64, 43, 128
Decimal	4205440
CIELab	24.88, 32.12, -44.90
CIElCh	25, 55.206, 305.583
Yxy	4.3763, 0.2138, 0.1361
Android (android.graphics.Color)	4282395520 (0xFF402B80)
YUV	58.9690, 34.0323, 4.4122
Hunter-Lab	20.9196, 22.0485, -44.6032

Details

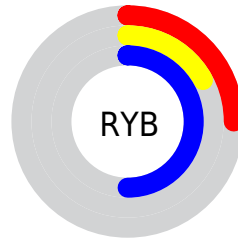
The XYZ color **6.8745, 4.3763, 20.9044** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **14.2185, 18.7385, 5.1531**, and the grayscale version is **4.1096, 4.3236, 4.7084**.

A 20% lighter version of the original color is **19.4358, 14.4716, 46.0249**, and **1.4002, 0.5630, 7.2426** is the 20% darker color. If you saturate the color by 10%, you get **5.9067, 3.2917, 20.7462**, and if you desaturate by 10%, it is **8.0972, 5.8092, 21.1166**.

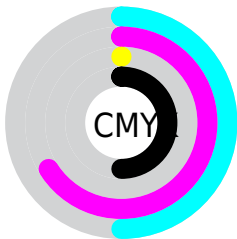
Distribution



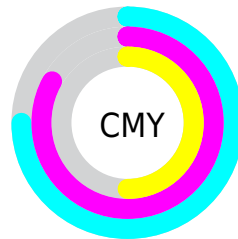
- Red (25%)
- Green (17%)
- Blue (50%)



- Red (25%)
- Yellow (17%)
- Blue (50%)



- Cyan (50%)
- Magenta (66%)
- Yellow (0%)
- Black (50%)



- Cyan (75%)
- Magenta (83%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8745, 4.3763, 20.9044 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 6.8745, 4.3763, 20.9044 by changing the saturation by 10% instead.

6.8745, 4.3763,
20.9044

6.8745, 4.3763,
20.9044

161.1843,
143.6249, 269.5343

3.4294, 1.8862,
12.8636

19.4275, 14.4549,
45.8071

1.3847, 0.5401,
7.2051

29.2661, 22.8122,
63.5061

0.2453, 0.0000,
3.5103

41.9666, 33.8940,
85.2615

0.0000, 0.0000,
1.3607

57.8943, 48.0848,
111.4919

0.0000, 0.0000,
0.1108

77.4145, 65.7689,
142.6158

0.0000, 0.0000,
0.0000

100.8927, 87.3306,

179.0519

128.6942,
113.1545, 221.2185

6.8745, 4.3763,
20.9044

6.8745, 4.3763,
20.9044

5.9067, 3.2917,
20.7462

8.0972, 5.8092,
21.1166

5.1733, 2.5237,
20.6366

9.5918, 7.6175,
21.3869

4.6424, 2.0173,
20.5668

11.3742, 9.8259,
21.7192

4.4804, 1.8596,
20.5449

13.4592, 12.4569,
22.1172

15.8604, 15.5314,
22.5840

■ 18.5905, 19.0687,
23.1229

■ 21.6615, 23.0871,
23.7367

■ 25.0850, 27.6039,
24.4281

■ 28.8717, 32.6354,
25.1997

Harmonies

Analogous

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



4.5516, 4.3763, 26.8544



6.8745, 4.3763, 20.9044



8.8318, 4.3763, 11.0543

Triad

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



6.8745, 4.3763, 20.9044



5.9941, 4.3763, 0.0000



1.3556, 4.3763, 5.9395

Complementary

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



6.8745, 4.3763, 20.9044



14.2185, 18.7385, 5.1531

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.



1.5186, 4.3763, 1.4733



6.8745, 4.3763, 20.9044



3.7907, 4.3763, 0.0000

Square

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



6.8745, 4.3763, 20.9044



8.2183, 4.3763, 0.7530



2.2741, 4.3763, 0.0000



1.7212, 4.3763, 14.7012

Rectangle

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



6.8745, 4.3763, 20.9044



9.4022, 4.3763, 5.6805



2.2741, 4.3763, 0.0000



1.3523, 4.3763, 3.9536

Sweetspot

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



6.8747, 4.3764, 20.9045



26.1418, 25.0541, 39.4144



10.2728, 12.8325, 22.3576



5.8872, 5.5672, 9.1826



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



6.8747, 4.3764, 20.9045



9.6489, 4.9953, 36.4119



10.6252, 6.3099, 21.0800



4.2007, 4.2591, 5.4140



4.4438, 1.8445, 20.3718



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4198, 7.3786, 14.6793



20.4543, 10.8692, 23.2058



10.3797, 16.7595, 4.9735



4.4542, 4.3948, 5.1962



10.9383, 5.3950, 11.5307



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 6.8745, 4.3763, 20.9044 looks on a white 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 ✓ Pass

Black Background



This preview shows how the XYZ color 6.8745, 4.3763, 20.9044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

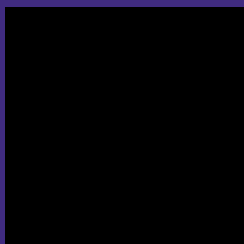
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8745, 4.3763, 20.9044

Background



This preview shows how black text looks on a background with the XYZ color 6.8745, 4.3763, 20.9044.



This preview shows how white text looks on a background with the XYZ color 6.8745, 4.3763,

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

6.8745, 4.3763, 20.9044

Protanopia

4.9143, 4.3067, 18.6614

Deuteranopia

4.2185, 4.3574, 13.9833



Tritanopia

3.8625, 4.4313, 5.9620

Trichromacy



Original Color

6.8745, 4.3763, 20.9044

Protanomaly

5.2194, 4.0934, 19.5838

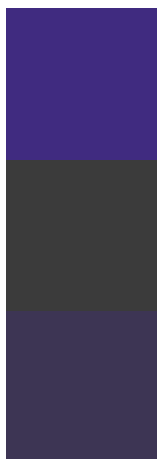
Deuteranomaly

4.6532, 4.0127, 16.1521

Tritanomaly

4.6376, 4.2105, 10.0195

Monochromacy



Original Color

6.8745, 4.3763, 20.9044

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

4.7978, 4.1784, 8.9411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8745, 4.3763, 20.9044 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(64, 43, 128)` looks like.

```
.text, #text, p{  
    color:rgb(64, 43, 128)  
}
```

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(64, 43, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 43, 128) }
```

Border

The CSS property to change the border of an element to XYZ 6.8745, 4.3763, 20.9044 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(64, 43, 128) }
```


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

```
.border{ border-color:rgb(64, 43, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 43, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 43, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 43, 128);  
box-shadow:4px 4px 4px 4px rgb(64, 43,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8745, 4.3763, 20.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 43, 128) }
```

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

```
.background{ background-color: rgb(64, 43,  
128) }
```

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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