

Converting Colors

XYZ(20.8398, 20.7345, 25.9446)

Have a look what the booklet for
XYZ(20.8398, 20.7345, 25.9446)
contains.

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Color

**XYZ(20.8162, 20.7405,
25.8279)**

Conversions

Conversions Part 1

Format	Color
Hex	837B87
RGB	131, 123, 135
RGB Percent	51%, 48%, 53%
CMY	0.4863, 0.5176, 0.4706
CMYK	0.03, 0.09, 0.00, 0.47
HSL	280°, 5%, 51%
HSV	280°, 9%, 53%
XYZ	20.8162, 20.7405, 25.8279
YIQ	126.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

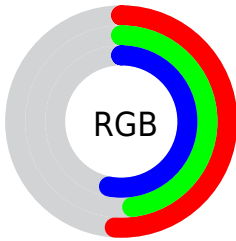
Format	Color
R_{YB}	131, 123, 135
Decimal	8616839
CIE Lab	52.66, 5.42, -5.42
CIE LCh	53, 7.664, 315.007
Yxy	20.7405, 0.3089, 0.3078
Android (android.graphics.Color)	4286806919 (0xFF837B87)
YUV	126.7600, 4.0623, 3.7185
Hunter-Lab	45.5417, 1.8907, -1.7457

Details

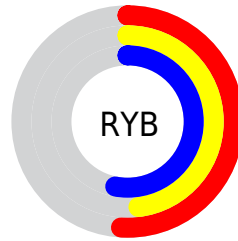
The XYZ color **20.8162, 20.7405, 25.8279** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9924, 23.2706, 22.1252**, and the grayscale version is **20.0773, 21.1229, 23.0028**.

A 20% lighter version of the original color is **44.1742, 44.4811, 53.8344**, and **7.5681, 7.3473, 9.6136** is the 20% darker color. If you saturate the color by 10%, you get **18.5738, 17.2680, 25.2761**, and if you desaturate by 10%, it is **23.3211, 24.6924, 26.4590**.

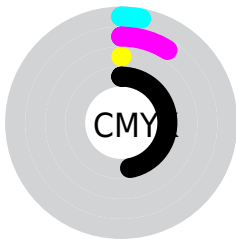
Distribution



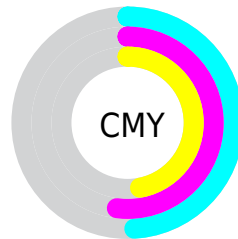
- Red (51%)
- Green (48%)
- Blue (53%)



- Red (51%)
- Yellow (48%)
- Blue (53%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (47%)



- Cyan (49%)
- Magenta (52%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8162, 20.7405, 25.8279 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 20.8162, 20.7405, 25.8279 by changing the saturation by 10% instead.

■ 20.8162, 20.7405,
25.8279

■ 20.8162, 20.7405,
25.8279

249.0503,
255.8962, 295.5148

■ 13.1014, 12.9344,
16.4703

■ 44.2750, 44.6553,
53.9778

■ 7.5759, 7.3834,
9.6996

■ 60.7498, 61.5327,
73.6073

■ 3.8743, 3.7030,
5.0973

■ 80.8752, 82.2028,
97.4978

■ 1.6313, 1.5089,
2.2447

105.0167,
107.0499, 126.0679

■ 0.4127, 0.2950,
0.7000

133.5396,
136.4584, 159.7361

■ 0.0000, 0.0000,
0.0000

166.8093,

170.8127, 198.9209

205.1911,
210.4971, 244.0410

■ 20.8162, 20.7405,
25.8279

■ 20.8162, 20.7405,
25.8279

■ 18.5738, 17.2680,
25.2761

■ 23.3211, 24.6924,
26.4590

■ 16.5822, 14.2531,
24.7992

■ 26.0959, 29.1388,
27.1710

■ 14.8318, 11.6765,
24.3941

■ 29.1499, 34.0977,
27.9672

■ 13.3111, 9.5164,
24.0573

■ 32.4915, 39.5851,
28.8502

■ 12.0082, 7.7490,
23.7848

■ 36.1286, 45.6165,
29.8227

10.9096, 6.3481,
23.5723

40.0690, 52.2067,
30.8871

10.0002, 5.2844,
23.4149

44.3200, 59.3699,
32.0457

9.2626, 4.5235,
23.3070

48.8886, 67.1199,
33.3008

8.6539, 3.9803,
23.2342

53.7819, 75.4699,
34.6546

Harmonies

Analogous

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



20.1124, 20.7405, 27.0896



20.8162, 20.7405, 25.8279



21.2298, 20.7405, 23.7366

Triad

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



20.8162, 20.7405, 25.8279



20.1121, 20.7405, 18.6057



18.2707, 20.7405, 23.7377

Complementary

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



20.8162, 20.7405, 25.8279



20.9924, 23.2706, 22.1252

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.



18.2706, 20.7405, 21.4671



20.8162, 20.7405, 25.8279



19.3193, 20.7405, 18.6059

Square

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



20.8162, 20.7405, 25.8279



20.8159, 20.7405, 19.6210



18.6499, 20.7405, 19.6217



18.6502, 20.7405, 25.8287

Rectangle

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



20.8162, 20.7405, 25.8279



21.2785, 20.7405, 22.2022



18.6499, 20.7405, 19.6217



18.2266, 20.7405, 22.9678

Sweetspot

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



20.8168, 20.7414, 25.8284



39.8304, 41.1550, 46.8928



20.1576, 21.1916, 25.9500



9.1461, 9.4077, 10.8401



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.8168, 20.7414, 25.8284



36.2892, 35.6000, 46.0072



21.3228, 21.0167, 25.1961



4.7110, 4.6871, 5.8572



7.9342, 3.6244, 21.4181



0.0352, 0.0166, 0.0746

Inverse Universe

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



20.9062, 20.8501, 23.0024



36.4970, 35.8477, 39.6688



20.5220, 23.0150, 22.6968



4.7319, 4.7124, 5.2005



9.6563, 4.9269, 2.7623



0.0366, 0.0183, 0.0260

Previews

White Background



This preview shows how the XYZ color 20.8162, 20.7405, 25.8279 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 20.8162, 20.7405, 25.8279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

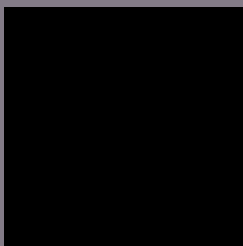
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8162, 20.7405, 25.8279

Background



This preview shows how black text looks on a background with the XYZ color 20.8162, 20.7405, 25.8279.



This preview shows how white text looks on a background with the XYZ color 20.8162, 20.7405,

25.8279.

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

20.8162, 20.7405, 25.8279

Protanopia

20.2350, 20.8048, 26.2418

Deuteranopia

21.1642, 20.7367, 25.8088



Tritanopia

20.6767, 20.6847, 25.0931

Trichromacy



Original Color

20.8162, 20.7405, 25.8279

Protanomaly

20.4040, 20.7049, 26.2136

Deuteranomaly

21.0056, 20.6549, 25.8013

Tritanomaly

20.7461, 20.7124, 25.4587

Monochromacy



Original Color

20.8162, 20.7405, 25.8279

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3922, 21.1226, 24.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8162, 20.7405, 25.8279 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(131, 123, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 123, 135)  
}
```

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(131, 123, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 123, 135) }
```

Border

The CSS property to change the border of an element to XYZ 20.8162, 20.7405, 25.8279 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(131, 123, 135) }
```


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

```
.border{ border-color:rgb(131, 123, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 123, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 123, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 123, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 123,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8162, 20.7405, 25.8279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 123, 135) }
```

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

```
.background{ background-color: rgb(131,  
123, 135) }
```

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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