

Converting Colors

XYZ(21.6739, 20.4026, 28.3873)

Have a look what the booklet for
XYZ(21.6739, 20.4026, 28.3873)
contains.

XYZ(21.6327, 20.3809, 28.3849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.6327, 20.3809,
28.3849)**

Conversions

Conversions Part 1

Format	Color
Hex	88778E
RGB	136, 119, 142
RGB Percent	53%, 47%, 56%
CMY	0.4667, 0.5333, 0.4431
CMYK	0.04, 0.16, 0.00, 0.44
HSL	284°, 9%, 51%
HSV	284°, 16%, 56%
XYZ	21.6327, 20.3809, 28.3849
YIQ	126.7050, 2.7490, 10.7570

Conversions

Conversions Part 2

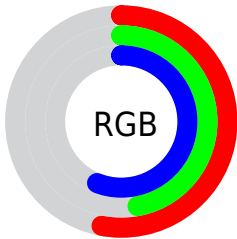
Format	Color
R _Y B	136, 119, 142
Decimal	8943502
CIE Lab	52.27, 11.03, -10.06
CIE LCh	52, 14.932, 317.622
Yxy	20.3809, 0.3073, 0.2895
Android (android.graphics.Color)	4287133582 (0xFF88778E)
YUV	126.7050, 7.5404, 8.1517
Hunter-Lab	45.1452, 6.5296, -5.6767

Details

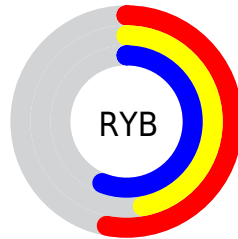
The XYZ color **21.6327, 20.3809, 28.3849** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.4609, 25.0384, 21.1555**, and the grayscale version is **20.0466, 21.0905, 22.9676**.

A 20% lighter version of the original color is **45.5130, 43.9302, 58.3051**, and **8.0228, 7.2576, 11.1032** is the 20% darker color. If you saturate the color by 10%, you get **19.4763, 16.9456, 27.8358**, and if you desaturate by 10%, it is **24.0636, 24.3337, 29.0201**.

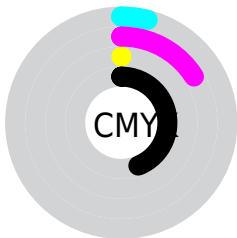
Distribution



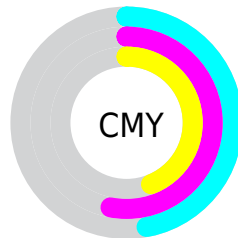
- Red (53%)
- Green (47%)
- Blue (56%)



- Red (53%)
- Yellow (47%)
- Blue (56%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6327, 20.3809, 28.3849 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 21.6327, 20.3809, 28.3849 by changing the saturation by 10% instead.

■ 21.6327, 20.3809,
28.3849

■ 21.6327, 20.3809,
28.3849

253.2907,
253.9697, 308.2712

■ 13.7024, 12.6722,
18.3744

■ 45.6216, 44.0549,
58.1288

■ 7.9943, 7.2032,
11.0469

■ 62.4108, 60.7890,
78.6994

■ 4.1430, 3.5895,
5.9838

■ 82.8837, 81.3003,
103.6271

■ 1.7834, 1.4467,
2.7666

107.4056,
105.9733, 133.3304

■ 0.5076, 0.2508,
0.9767

136.3419,
135.1924, 168.2280

■ 0.0000, 0.0000,
0.0000

170.0580,

169.3419, 208.7382

208.9191,
208.8062, 255.2798

■ 21.6327, 20.3809,
28.3849

■ 21.6327, 20.3809,
28.3849

■ 19.4763, 16.9456,
27.8358

■ 24.0636, 24.3337,
29.0201

■ 17.5813, 14.0028,
27.3676

■ 26.7779, 28.8224,
29.7434

■ 15.9360, 11.5292,
26.9769

■ 29.7862, 33.8678,
30.5587

■ 14.5272, 9.4986,
26.6592

■ 33.0982, 39.4886,
31.4691

■ 13.3404, 7.8824,
26.4098

■ 36.7229, 45.7029,
32.4775

■ 12.3592, 6.6482,
26.2233

■ 40.6691, 52.5278,
33.5868

■ 11.5650, 5.7590,
26.0935

■ 44.9452, 59.9797,
34.7998

■ 10.9287, 5.1570,
26.0109

■ 49.5591, 68.0744,
36.1191

■ 10.7033, 4.9537,
25.9835

■ 54.5186, 76.8273,
37.5472

Harmonies

Analogous

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



20.2780, 20.3809, 31.2537



21.6327, 20.3809, 28.3849



22.3972, 20.3809, 24.0516

Triad

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



21.6327, 20.3809, 28.3849



20.0105, 20.3809, 14.9216



16.6944, 20.3809, 24.8477

Complementary

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



21.6327, 20.3809, 28.3849



21.4609, 25.0384, 21.1555

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.



16.6313, 20.3809, 20.4296



21.6327, 20.3809, 28.3849



18.4923, 20.3809, 15.0756

Square

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



21.6327, 20.3809, 28.3849



21.4280, 20.3809, 16.5185



17.2735, 20.3809, 16.9714



17.4509, 20.3809, 29.0336

Rectangle

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



21.6327, 20.3809, 28.3849



22.4440, 20.3809, 21.0898



17.2735, 20.3809, 16.9714



16.5929, 20.3809, 23.3305

Sweetspot

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



21.6333, 20.3818, 28.3853



42.9314, 43.7272, 51.3053



19.8415, 20.5768, 28.5174



9.5260, 9.6634, 11.4426



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.6333, 20.3818, 28.3853



36.8796, 33.9053, 49.7285



22.2418, 20.7409, 26.3608



5.4909, 5.4412, 6.7896



9.6276, 4.4568, 23.3299



0.1127, 0.0533, 0.2240

Inverse Universe

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



21.4545, 20.4260, 22.2147



36.5298, 34.0084, 36.9038



20.9428, 24.7330, 22.8616



5.4630, 5.4457, 5.9364



10.3230, 5.2862, 2.0864



0.1067, 0.0537, 0.0621

Previews

White Background



This preview shows how the XYZ color 21.6327, 20.3809, 28.3849 looks on a white background.

Color Contrast Check

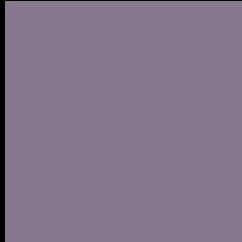
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6327, 20.3809, 28.3849 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 21.6327, 20.3809, 28.3849

Background



This preview shows how black text looks on a background with the XYZ color 21.6327, 20.3809, 28.3849.



This preview shows how white text looks on a background with the XYZ color 21.6327, 20.3809,

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

21.6327, 20.3809, 28.3849

Protanopia

20.2036, 20.5246, 29.6849

Deuteranopia

20.8953, 20.5392, 28.4543



Tritanopia

20.6982, 20.3548, 23.9570

Trichromacy



Original Color

21.6327, 20.3809, 28.3849

Protanomaly

20.5978, 20.3683, 29.2314

Deuteranomaly

21.2356, 20.5333, 28.4353

Tritanomaly

21.0112, 20.3051, 25.3661

Monochromacy



Original Color

21.6327, 20.3809, 28.3849

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5784, 20.8271, 24.7652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6327, 20.3809, 28.3849 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(136, 119, 142)` looks like.

```
.text, #text, p{  
    color:rgb(136, 119, 142)  
}
```

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(136, 119, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 119, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.6327, 20.3809, 28.3849 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(136, 119, 142) }
```


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

```
.border{ border-color:rgb(136, 119, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 119, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 119, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 119, 142);  
box-shadow:4px 4px 4px 4px rgb(136, 119,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6327, 20.3809, 28.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 119, 142) }
```

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

```
.background{ background-color: rgb(136,  
119, 142) }
```

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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