

Converting Colors

XYZ(20.8751, 23.2941, 54.0998)

Have a look what the booklet for
XYZ(20.8751, 23.2941, 54.0998)
contains.

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Color

**XYZ(20.8449, 23.3396,
53.8584)**

Conversions

Conversions Part 1

Format	Color
Hex	3E8BC1
RGB	62, 139, 193
RGB Percent	24%, 55%, 76%
CMY	0.7568, 0.4549, 0.2431
CMYK	0.68, 0.28, 0.00, 0.24
HSL	205°, 51%, 50%
HSV	205°, 68%, 76%
XYZ	20.8449, 23.3396, 53.8584
YIQ	122.1330, -63.2260, 0.4700

Conversions

Conversions Part 2

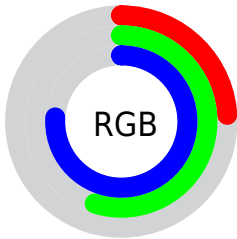
Format	Color
R _Y B	62, 110, 193
Decimal	4099009
CIE Lab	55.42, -6.32, -35.03
CIE LCh	55, 35.598, 259.772
Yxy	23.3396, 0.2126, 0.2381
Android (android.graphics.Color)	4282289089 (0xFF3E8BC1)
YUV	122.1330, 34.9374, -52.7366
Hunter-Lab	48.3111, -7.5265, -32.2802

Details

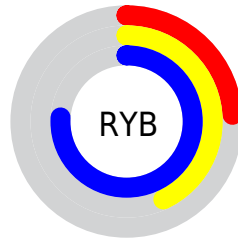
The XYZ color **20.8449, 23.3396, 53.8584** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **29.1086, 24.1781, 7.6914**, and the grayscale version is **18.4475, 19.4082, 21.1355**.

A 20% lighter version of the original color is **44.2733, 48.8124, 97.5308**, and **8.2326, 9.0088, 25.7311** is the 20% darker color. If you saturate the color by 10%, you get **18.7322, 20.6024, 53.4419**, and if you desaturate by 10%, it is **23.4728, 26.4676, 54.3241**.

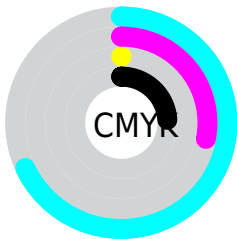
Distribution



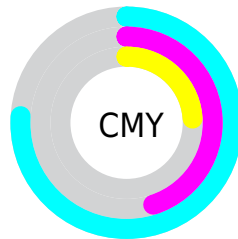
- Red (24%)
- Green (55%)
- Blue (76%)



- Red (24%)
- Yellow (43%)
- Blue (76%)



- Cyan (68%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8449, 23.3396, 53.8584 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 20.8449, 23.3396, 53.8584 by changing the saturation by 10% instead.

■ 20.8449, 23.3396,
53.8584

■ 20.8449, 23.3396,
53.8584

249.2004,
269.4645, 418.7292

■ 13.1225, 14.8445,
38.0961

■ 44.3225, 48.9504,
97.3206

■ 7.5905, 8.7103,
25.7548

■ 60.8084, 66.8348,
125.8576

■ 3.8837, 4.5527,
16.4162

■ 80.9461, 88.6177,
159.4898

■ 1.6365, 1.9873,
9.6616

■ 105.1011,
114.6836, 198.6359

■ 0.4160, 0.6001,
5.0725

■ 133.6387,
145.4168, 243.7143

■ 0.0000, 0.0000,
2.2304

166.9242,

■ 0.0000, 0.0000,

181.2018, 295.1436

0.6918

205.3230,
222.4229, 353.3424

■ 0.0000, 0.0000,
0.0000

■ 20.8449, 23.3396,
53.8584

■ 20.8449, 23.3396,
53.8584

■ 18.7322, 20.6024,
53.4419

■ 23.4728, 26.4676,
54.3241

■ 17.0826, 18.2254,
53.0700

■ 26.6559, 30.0085,
54.8398

■ 15.8231, 16.1687,
52.7394

■ 30.4330, 33.9851,
55.4083

■ 15.5800, 15.7588,
52.6731

■ 34.8383, 38.4175,
56.0317

■ 39.9032, 43.3241,
56.7118

■ 45.6570, 48.7225,
57.4505

■ 52.1271, 54.6289,
58.2496

■ 59.3393, 61.0587,
59.1105

■ 67.3182, 68.0269,
60.0350

Harmonies

Analogous

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



17.5754, 23.3396, 46.2270



20.8449, 23.3396, 53.8584



24.8900, 23.3396, 52.3077

Triad

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



20.8449, 23.3396, 53.8584



30.2423, 23.3396, 18.6627



16.8116, 23.3396, 13.6709

Complementary

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



20.8449, 23.3396, 53.8584



29.1086, 24.1781, 7.6914

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.



19.6809, 23.3396, 9.8030



20.8449, 23.3396, 53.8584



27.5342, 23.3396, 12.0266

Square

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



20.8449, 23.3396, 53.8584



30.6515, 23.3396, 29.5309



23.5784, 23.3396, 9.3086



15.4393, 23.3396, 21.6966

Rectangle

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



20.8449, 23.3396, 53.8584



27.4799, 23.3396, 46.3956



23.5784, 23.3396, 9.3086



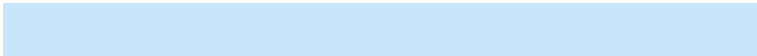
17.6156, 23.3396, 11.9581

Sweetspot

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



20.8457, 23.3404, 53.8590



69.1391, 75.3671, 101.2636



24.1177, 40.3889, 22.5656



14.2731, 15.6288, 21.6497



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.8457, 23.3404, 53.8590



32.1535, 34.9503, 95.4117



14.1363, 9.9216, 51.6225



10.0092, 10.7097, 12.8245



10.4428, 10.6420, 35.0603



0.5178, 0.5930, 1.5370

Inverse Universe

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



28.3759, 16.6479, 26.1445



47.3492, 25.1472, 38.6545



39.1637, 44.2882, 11.0431



10.3159, 10.1750, 11.7542



16.6670, 8.3566, 11.4244



0.7537, 0.3745, 0.6706

Previews

White Background



This preview shows how the XYZ color 20.8449, 23.3396, 53.8584 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 20.8449, 23.3396, 53.8584 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 20.8449, 23.3396, 53.8584

Background



This preview shows how black text looks on a background with the XYZ color 20.8449, 23.3396, 53.8584.

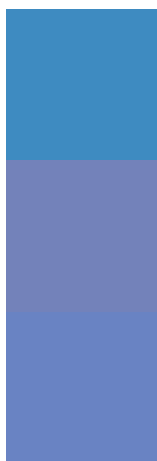


This preview shows how white text looks on a background with the XYZ color 20.8449, 23.3396,

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

20.8449, 23.3396, 53.8584

Protanopia

23.9158, 23.1553, 49.6633

Deuteranopia

23.7923, 23.1760, 54.8492



Tritanopia

17.2871, 23.4577, 35.9644

Trichromacy



Original Color

20.8449, 23.3396, 53.8584

Protanomaly

22.3967, 22.9360, 51.3908

Deuteranomaly

22.3825, 23.0691, 54.3120

Tritanomaly

18.3454, 23.1895, 42.0372

Monochromacy



Original Color

20.8449, 23.3396, 53.8584

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3200, 20.2858, 30.9670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8449, 23.3396, 53.8584 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(62, 139, 193)` looks like.

```
.text, #text, p{  
    color:rgb(62, 139, 193)  
}
```

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(62, 139, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 139, 193) }
```

Border

The CSS property to change the border of an element to XYZ 20.8449, 23.3396, 53.8584 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(62, 139, 193) }
```


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

```
.border{ border-color:rgb(62, 139, 193) }
```

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

Here you see how a box with a 4 pixel rgb(62, 139, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 139, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 139, 193);  
box-shadow:4px 4px 4px 4px rgb(62, 139,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8449, 23.3396, 53.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 139, 193) }
```

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

```
.background{ background-color: rgb(62, 139,  
193) }
```

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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