

Converting Colors

XYZ(20.3543, 23.6477, 39.7479)

Have a look what the booklet for
XYZ(20.3543, 23.6477, 39.7479)
contains.

XYZ(20.2855, 23.5840, 39.5594)	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(20.2855, 23.5840,
39.5594)**

Conversions

Conversions Part 1

Format	Color
Hex	588CA6
RGB	88, 140, 166
RGB Percent	35%, 55%, 65%
CMY	0.6549, 0.4510, 0.3490
CMYK	0.47, 0.16, 0.00, 0.35
HSL	200°, 31%, 50%
HSV	200°, 47%, 65%
XYZ	20.2855, 23.5840, 39.5594
YIQ	127.4160, -39.3380, -2.9380

Conversions

Conversions Part 2

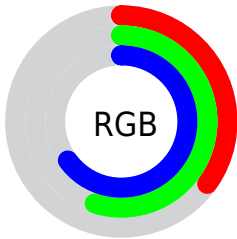
Format	Color
R_{YB}	88, 119, 166
Decimal	5803174
CIE _{Lab}	55.67, -10.11, -19.14
CIE _{LCh}	56, 21.652, 242.153
Yxy	23.5840, 0.2431, 0.2827
Android (android.graphics.Color)	4283993254 (0xFF588CA6)
YUV	127.4160, 19.0219, -34.5678
Hunter-Lab	48.5634, -10.4243, -14.3029

Details

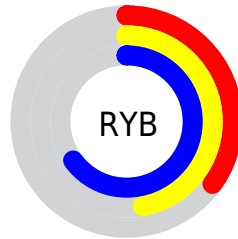
The XYZ color **20.2855, 23.5840, 39.5594** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.5052, 20.8469, 12.0183**, and the grayscale version is **20.2628, 21.3180, 23.2153**.

A 20% lighter version of the original color is **43.4983, 49.5548, 75.6790**, and **7.3206, 8.8506, 17.2421** is the 20% darker color. If you saturate the color by 10%, you get **18.1013, 21.2882, 39.2318**, and if you desaturate by 10%, it is **22.8697, 26.1474, 39.9184**.

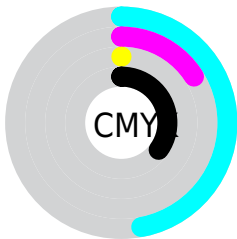
Distribution



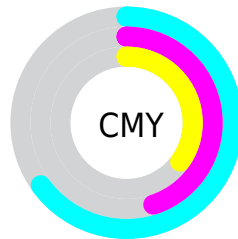
- Red (35%)
- Green (55%)
- Blue (65%)



- Red (35%)
- Yellow (47%)
- Blue (65%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2855, 23.5840, 39.5594 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 20.2855, 23.5840, 39.5594 by changing the saturation by 10% instead.

■ 20.2855, 23.5840,
39.5594

■ 20.2855, 23.5840,
39.5594

246.2607,
270.7105, 359.7597

■ 12.7122, 15.0253,
26.8840

■ 43.3956, 49.3505,
75.7218

■ 7.3063, 8.8372,
17.2545

■ 59.6632, 67.3271,
100.0460

■ 3.7024, 4.6351,
10.2522

■ 79.5595, 89.2118,
129.0901

■ 1.5352, 2.0348,
5.4587

■ 103.4500,
115.3890, 163.2728

■ 0.3496, 0.6276,
2.4554

131.7001,
146.2430, 203.0126

■ 0.0000, 0.0000,
0.8164

164.6749,

■ 0.0000, 0.0000,

182.1584, 248.7279

0.0000

202.7401,
223.5194, 300.8375

■ 20.2855, 23.5840,
39.5594

■ 20.2855, 23.5840,
39.5594

■ 18.1013, 21.2882,
39.2318

■ 22.8697, 26.1474,
39.9184

■ 16.2896, 19.2435,
38.9326

■ 25.8744, 28.9882,
40.3084

■ 14.8228, 17.4351,
38.6609

■ 29.3216, 32.1192,
40.7310

■ 13.6682, 15.8454,
38.4149

■ 33.2306, 35.5513,
41.1875

■ 12.7769, 14.4481,
38.1922

■ 37.6200, 39.2946,
41.6787

■ 12.5313, 14.0498,
38.1282

■ 42.5069, 43.3590,
42.2056

■ 47.9079, 47.7536,
42.7692

■ 53.8385, 52.4872,
43.3703

■ 60.3138, 57.5685,
44.0098

Harmonies

Analogous

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



18.6575, 23.5840, 33.5536



20.2855, 23.5840, 39.5594



22.5934, 23.5840, 41.6682

Triad

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



20.2855, 23.5840, 39.5594



27.4636, 23.5840, 25.1751



19.9999, 23.5840, 15.8620

Complementary

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



20.2855, 23.5840, 39.5594



23.5052, 20.8469, 12.0183

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.



22.2393, 23.5840, 14.4138



20.2855, 23.5840, 39.5594



26.6479, 23.5840, 19.1442

Square

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



20.2855, 23.5840, 39.5594



26.8471, 23.5840, 32.5146



24.6904, 23.5840, 15.4970



18.5012, 23.5840, 19.8755

Rectangle

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



20.2855, 23.5840, 39.5594



24.2406, 23.5840, 40.3201



24.6904, 23.5840, 15.4970



20.6851, 23.5840, 15.0959

Sweetspot

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



20.2863, 23.5849, 39.5600



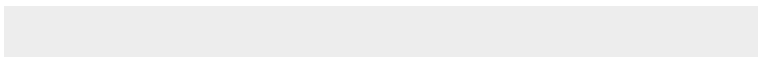
55.0647, 59.9357, 74.1418



20.6251, 30.5332, 20.3416



12.0046, 13.1304, 16.5538



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2863, 23.5849, 39.5600



32.8321, 38.6143, 71.1981



15.6891, 14.3905, 38.0276



7.5337, 8.1044, 9.5856



9.7615, 10.9832, 29.5810



0.2816, 0.3554, 0.7344

Inverse Universe

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



23.9499, 16.9806, 26.8271



40.5319, 26.1108, 44.1289



28.6675, 31.1714, 13.7390



7.7340, 7.6235, 8.9164



14.4277, 7.1798, 12.3300



0.3733, 0.1836, 0.4171

Previews

White Background



This preview shows how the XYZ color 20.2855, 23.5840, 39.5594 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 20.2855, 23.5840, 39.5594 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

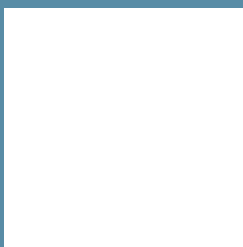
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2855, 23.5840, 39.5594

Background



This preview shows how black text looks on a background with the XYZ color 20.2855, 23.5840, 39.5594.



This preview shows how white text looks on a background with the XYZ color 20.2855, 23.5840,

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

20.2855, 23.5840, 39.5594

Protanopia

23.3488, 23.5526, 36.5732

Deuteranopia

23.8029, 23.3044, 40.2894



Tritanopia

19.1619, 23.5639, 34.1102

Trichromacy



Original Color

20.2855, 23.5840, 39.5594

Protanomaly

21.9956, 23.4473, 37.5489

Deuteranomaly

22.3102, 23.3509, 39.8905

Tritanomaly

19.4427, 23.4497, 35.8492

Monochromacy



Original Color

20.2855, 23.5840, 39.5594

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8690, 21.9363, 28.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2855, 23.5840, 39.5594 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(88, 140, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 140, 166)  
}
```

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(88, 140, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 140, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.2855, 23.5840, 39.5594 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(88, 140, 166) }
```


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

```
.border{ border-color:rgb(88, 140, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 140, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 140, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 140, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 140,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2855, 23.5840, 39.5594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 140, 166) }
```

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

```
.background{ background-color: rgb(88, 140,  
166) }
```

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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