

Converting Colors

XYZ(20.4445, 39.0855, 10.6567)

Have a look what the booklet for
XYZ(20.4445, 39.0855, 10.6567)
contains.

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Color

**XYZ(20.4346, 39.0815,
10.6041)**

Conversions

Conversions Part 1

Format	Color
Hex	17C23B
RGB	23, 194, 59
RGB Percent	9%, 76%, 23%
CMY	0.9098, 0.2392, 0.7686
CMYK	0.88, 0.00, 0.70, 0.24
HSL	133°, 79%, 43%
HSV	133°, 88%, 76%
XYZ	20.4346, 39.0815, 10.6041
YIQ	127.4810, -58.5810, -78.2370

Conversions

Conversions Part 2

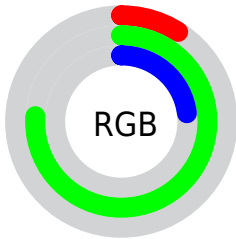
Format	Color
RYB	23, 164, 194
Decimal	1557051
CIELab	68.81, -66.03, 54.21
CIELCh	69, 85.429, 140.615
Yxy	39.0815, 0.2914, 0.5574
Android (android.graphics.Color)	4279747131 (0xFF17C23B)
YUV	127.4810, -33.7611, -91.6298
Hunter-Lab	62.5152, -51.0546, 33.7036

Details

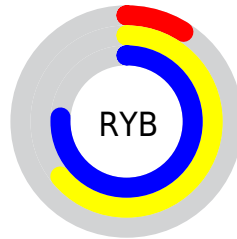
The XYZ color **20.4346, 39.0815, 10.6041** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **28.7274, 14.5515, 33.6441**, and the grayscale version is **20.4669, 21.5328, 23.4492**.

A 20% lighter version of the original color is **43.7349, 73.8772, 27.5775**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **19.7864, 38.7879, 8.7962**, and if you desaturate by 10%, it is **21.5109, 39.5847, 13.0422**.

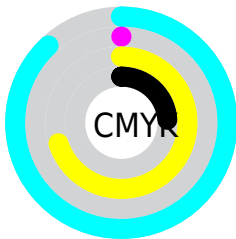
Distribution



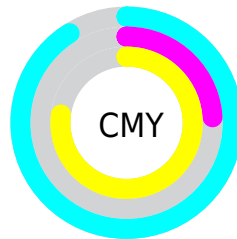
- Red (9%)
- Green (76%)
- Blue (23%)



- Red (9%)
- Yellow (64%)
- Blue (76%)



- Cyan (88%)
- Magenta (0%)
- Yellow (70%)
- Black (24%)



- Cyan (91%)
- Magenta (24%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4346, 39.0815, 10.6041 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 20.4346, 39.0815, 10.6041 by changing the saturation by 10% instead.

■ 20.4346, 39.0815,
10.6041

■ 20.4346, 39.0815,
10.6041

247.0472,
342.2369, 205.5699

■ 12.8214, 26.8231,
5.6905

■ 43.6430, 73.7628,
27.5511

■ 7.3819, 17.4404,
2.5921

■ 59.9690, 96.9545,
40.4216

■ 3.7505, 10.5490,
0.8884

■ 79.9300, 124.5595,
56.7814

■ 1.5620, 5.7645,
0.0000

■ 103.8913,
156.9621, 77.0491

■ 0.3674, 2.7024,
0.0000

■ 132.2184,
194.5468, 101.6433

■ 0.0000, 0.9784,
0.0000

165.2765,

■ 0.0000, 0.0000,

237.6979, 130.9825

0.0000

203.4310,
286.7998, 165.4851

■ 20.4346, 39.0815,
10.6041

■ 20.4346, 39.0815,
10.6041

■ 19.7864, 38.7879,
8.7962

■ 21.5109, 39.5847,
13.0422


■ 19.6900, 38.7441,
8.5240


■ 23.0970, 40.3349,
16.1600


■ 25.2509, 41.3625,
20.0047


■ 28.0219, 42.6917,
24.6183

■ 31.4536, 44.3444,
30.0396

 35.5859, 46.3403,
36.3049

 40.4553, 48.6975,
43.4481

 46.0956, 51.4327,
51.5013

 52.5388, 54.5619,
60.4951

Harmonies

Analogous

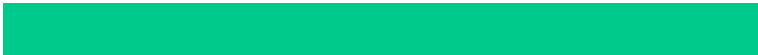
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.7106, 39.0815, 3.9604



20.4346, 39.0815, 10.6041



16.9210, 39.0815, 31.5125

Triad

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



20.4346, 39.0815, 10.6041



33.0588, 39.0815, 166.7014



67.2406, 39.0815, 21.3251

Complementary

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



20.4346, 39.0815, 10.6041



28.7274, 14.5515, 33.6441

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.



69.2186, 39.0815, 55.9113



20.4346, 39.0815, 10.6041



47.0898, 39.0815, 157.4901

Square

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



20.4346, 39.0815, 10.6041



22.9504, 39.0815, 130.1448



61.1279, 39.0815, 109.5904



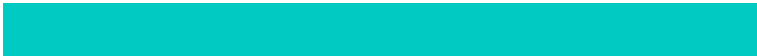
56.2419, 39.0815, 7.0201

Rectangle

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



20.4346, 39.0815, 10.6041



16.9785, 39.0815, 57.8228



61.1279, 39.0815, 109.5904



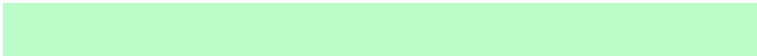
69.0718, 39.0815, 30.2403

Sweetspot

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



20.4355, 39.0831, 10.6050



65.8990, 84.6447, 67.8960



33.9052, 46.1003, 7.9221



13.8012, 18.2317, 13.9296



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.4355, 39.0831, 10.6050



35.5979, 70.1622, 15.0524



24.5815, 40.7415, 32.4374



10.0293, 11.2928, 11.1574



12.9699, 25.4820, 5.7348



0.5863, 1.1114, 0.3840

Inverse Universe

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



28.7274, 14.5515, 33.6441



50.6521, 24.9172, 56.3573



23.8018, 12.5813, 7.7064



10.4035, 10.2100, 12.2155



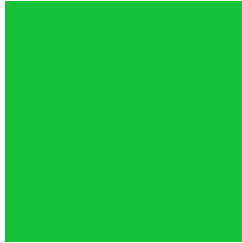
18.4471, 9.0686, 20.7985



0.8204, 0.4012, 1.0215

Previews

White Background



This preview shows how the XYZ color 20.4346, 39.0815, 10.6041 looks on a white 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

Black Background



This preview shows how the XYZ color 20.4346, 39.0815, 10.6041 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 ✓ Pass

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

XYZ 20.4346, 39.0815, 10.6041

Background



This preview shows how black text looks on a background with the XYZ color 20.4346, 39.0815, 10.6041.



This preview shows how white text looks on a background with the XYZ color 20.4346, 39.0815,

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

20.4346, 39.0815, 10.6041

Protanopia

34.6882, 38.3245, 8.8179

Deuteranopia

38.8178, 38.0305, 11.2559



Tritanopia

29.8810, 38.7826, 58.1354

Trichromacy



Original Color

20.4346, 39.0815, 10.6041



Protanomaly

25.1641, 36.2321, 9.2816



Deuteranomaly

26.2235, 35.0200, 10.6876



Tritanomaly

24.6107, 38.1538, 33.2614

Monochromacy



Original Color

20.4346, 39.0815, 10.6041



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.5847, 25.2164, 16.5108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4346, 39.0815, 10.6041 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(23, 194, 59)` looks like.

```
.text, #text, p{  
    color:rgb(23, 194, 59)  
}
```

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(23, 194, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 194, 59) }
```

Border

The CSS property to change the border of an element to XYZ 20.4346, 39.0815, 10.6041 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(23, 194, 59) }
```


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

```
.border{ border-color:rgb(23, 194, 59) }
```

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

Here you see how a box with a 4 pixel rgb(23, 194, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 194, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 194, 59);  
box-shadow:4px 4px 4px 4px rgb(23, 194,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4346, 39.0815, 10.6041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 194, 59) }
```

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

```
.background{ background-color: rgb(23, 194,  
59) }
```

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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