

Converting Colors

XYZ(20.1895, 33.9504, 9.6267)

Have a look what the booklet for
XYZ(20.1895, 33.9504, 9.6267)
contains.

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Color

**XYZ(20.1895, 33.9504,
9.6267)**

Conversions

Conversions Part 1

Format	Color
Hex	52B23B
RGB	82, 178, 59
RGB Percent	32%, 70%, 23%
CMY	0.6784, 0.3019, 0.7686
CMYK	0.54, 0.00, 0.67, 0.30
HSL	108°, 50%, 46%
HSV	108°, 67%, 70%
XYZ	20.1895, 33.9504, 9.6267
YIQ	135.7300, -19.0170, -57.3610

Conversions

Conversions Part 2

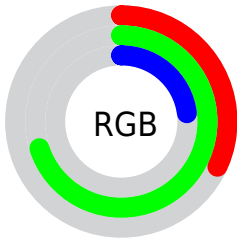
Format	Color
RYB	59, 178, 155
Decimal	5419579
CIELab	64.92, -50.48, 50.42
CIElCh	65, 71.347, 135.029
Yxy	33.9504, 0.3166, 0.5324
Android (android.graphics.Color)	4283609659 (0xFF52B23B)
YUV	135.7300, -37.8279, -47.1212
Hunter-Lab	58.2670, -40.1170, 30.9912

Details

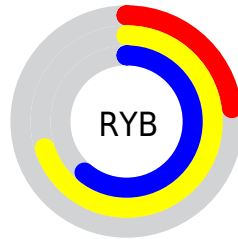
The XYZ color **20.1895, 33.9504, 9.6267** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.1194, 13.3121, 43.4723**, and the grayscale version is **23.4436, 24.6645, 26.8596**.

A 20% lighter version of the original color is **43.4482, 66.1620, 25.8098**, and **7.2702, 14.4476, 2.4055** is the 20% darker color. If you saturate the color by 10%, you get **18.6837, 33.2197, 7.5438**, and if you desaturate by 10%, it is **22.1157, 34.8817, 12.5523**.

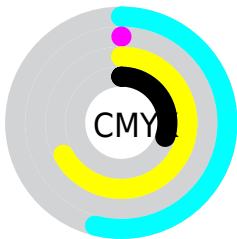
Distribution



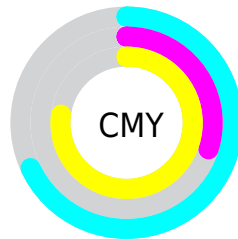
- Red (32%)
- Green (70%)
- Blue (23%)



- Red (23%)
- Yellow (70%)
- Blue (61%)



- Cyan (54%)
- Magenta (0%)
- Yellow (67%)
- Black (30%)





- Cyan (68%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1895, 33.9504, 9.6267 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 20.1895, 33.9504, 9.6267 by changing the saturation by 10% instead.


 20.1895, 33.9504,
9.6267


 20.1895, 33.9504,
9.6267


245.7532,
319.9108, 198.3736


 12.6419, 22.8555,
5.0498


 43.2362, 65.8565,
25.6877


 7.2577, 14.4868,
2.2173


 59.4660, 87.4365,
38.0089


 3.6716, 8.4600,
0.6843


 79.3206, 113.2804,
53.7486

 1.5181, 4.3907,
0.0000

 103.1654,
143.7725, 73.3253

 0.3381, 1.8944,
0.0000

 131.3657,
179.2971, 97.1577

 0.0000, 0.5450,
0.0000

164.2869,

 0.0000, 0.0000,

220.2388, 125.6641

0.0000

202.2943,
266.9819, 159.2633

■ 20.1895, 33.9504,
9.6267

■ 20.1895, 33.9504,
9.6267

■ 18.6837, 33.2197,
7.5438

■ 22.1157, 34.8817,
12.5523

■ 17.5627, 32.6701,
6.2123

■ 24.4892, 36.0227,
16.3949

■ 16.7854, 32.2842,
5.5077

■ 27.3377, 37.3872,
21.2234

■ 16.5940, 32.1891,
5.3385

■ 30.6856, 38.9865,
27.0993

■ 34.5558, 40.8312,
34.0793

■ 38.9695, 42.9310,
42.2159

■ 43.9470, 45.2954,
51.5581

■ 49.5073, 47.9331,
62.1523

■ 55.6688, 50.8526,
74.0425

Harmonies

Analogous

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



27.4017, 33.9504, 4.7927



20.1895, 33.9504, 9.6267



16.6706, 33.9504, 24.1664

Triad

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



20.1895, 33.9504, 9.6267



27.4190, 33.9504, 123.2715



55.4196, 33.9504, 24.1248

Complementary

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



20.1895, 33.9504, 9.6267



23.1194, 13.3121, 43.4723

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.



55.4270, 33.9504, 53.6366



20.1895, 33.9504, 9.6267



37.6806, 33.9504, 123.2385

Square

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



20.1895, 33.9504, 9.6267



20.1998, 33.9504, 93.3507



48.4025, 33.9504, 93.2758



48.3840, 33.9504, 9.6102

Rectangle

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



20.1895, 33.9504, 9.6267



16.2899, 33.9504, 42.1634



48.4025, 33.9504, 93.2758



56.2861, 33.9504, 32.2147

Sweetspot

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



20.1903, 33.9518, 9.6275



60.1000, 72.8213, 57.1423



30.7397, 32.9597, 8.8799



12.8823, 15.9273, 11.8791



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.1903, 33.9518, 9.6275



32.8764, 59.7485, 12.4272



19.7771, 33.5930, 16.1978



8.5372, 9.5665, 9.0491



11.9141, 23.0520, 3.8215



0.4201, 0.7486, 0.1224

Inverse Universe

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



23.1194, 13.3121, 43.4723



38.3764, 19.5746, 78.1368



24.8304, 14.5559, 27.2117



8.6859, 8.5621, 10.7012



13.9803, 6.5429, 30.6631



0.4812, 0.2272, 0.9667

Previews

White Background



This preview shows how the XYZ color 20.1895, 33.9504, 9.6267 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 20.1895, 33.9504, 9.6267 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 20.1895, 33.9504, 9.6267

Background



This preview shows how black text looks on a background with the XYZ color 20.1895, 33.9504, 9.6267.



This preview shows how white text looks on a background with the XYZ color 20.1895, 33.9504,

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

20.1895, 33.9504, 9.6267

Protanopia

30.3788, 33.4849, 8.2303

Deuteranopia

34.0698, 33.3939, 10.2802



Tritanopia

27.8183, 33.6319, 48.2054

Trichromacy



Original Color

20.1895, 33.9504, 9.6267



Protanomaly

25.1292, 32.8488, 8.6304



Deuteranomaly

26.6618, 32.2956, 9.8295



Tritanomaly

23.7484, 33.0684, 28.4237

Monochromacy



Original Color

20.1895, 33.9504, 9.6267



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.9758, 26.9289, 18.2796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1895, 33.9504, 9.6267 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(82, 178, 59)` looks like.

```
.text, #text, p{  
    color:rgb(82, 178, 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(82, 178, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 178, 59) }
```

Border

The CSS property to change the border of an element to XYZ 20.1895, 33.9504, 9.6267 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(82, 178, 59) }
```


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

```
.border{ border-color:rgb(82, 178, 59) }
```

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

Here you see how a box with a 4 pixel rgb(82, 178, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 178, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 178, 59);  
box-shadow:4px 4px 4px 4px rgb(82, 178,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1895, 33.9504, 9.6267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 178, 59) }
```

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

```
.background{ background-color: rgb(82, 178,  
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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