

Converting Colors

XYZ(20.3772, 34.1906, 10.2200)

Have a look what the booklet for
XYZ(20.3772, 34.1906, 10.2200)
contains.

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Color

**XYZ(20.4970, 34.3929,
10.2608)**

Conversions

Conversions Part 1

Format	Color
Hex	52B33F
RGB	82, 179, 63
RGB Percent	32%, 70%, 25%
CMY	0.6784, 0.2980, 0.7529
CMYK	0.54, 0.00, 0.65, 0.30
HSL	110°, 48%, 47%
HSV	110°, 65%, 70%
XYZ	20.4970, 34.3929, 10.2608
YIQ	136.7730, -20.5760, -56.6400

Conversions

Conversions Part 2

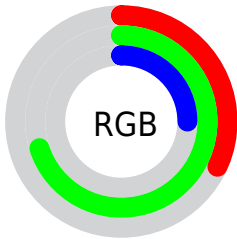
Format	Color
RYB	63, 179, 160
Decimal	5419839
CIELab	65.27, -50.48, 49.11
CIElCh	65, 70.428, 135.785
Yxy	34.3929, 0.3146, 0.5279
Android (android.graphics.Color)	4283609919 (0xFF52B33F)
YUV	136.7730, -36.3701, -48.0359
Hunter-Lab	58.6455, -40.2426, 30.6783

Details

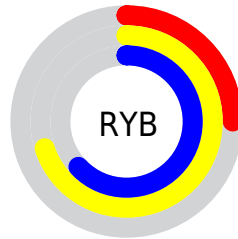
The XYZ color **20.4970, 34.3929, 10.2608** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **24.4132, 14.2844, 44.1201**, and the grayscale version is **23.8315, 25.0726, 27.3040**.

A 20% lighter version of the original color is **43.9052, 66.8042, 26.8001**, and **7.3962, 14.6995, 2.4475** is the 20% darker color. If you saturate the color by 10%, you get **18.9134, 33.6262, 7.9867**, and if you desaturate by 10%, it is **22.5289, 35.3739, 13.4061**.

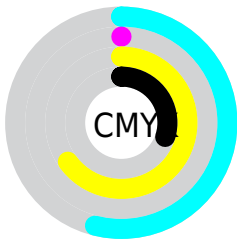
Distribution



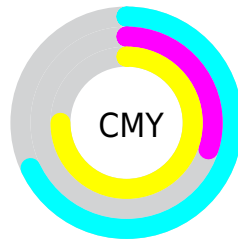
- Red (32%)
- Green (70%)
- Blue (25%)



- Red (25%)
- Yellow (70%)
- Blue (63%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (30%)





- Cyan (68%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4970, 34.3929, 10.2608 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 20.4970, 34.3929, 10.2608 by changing the saturation by 10% instead.


 20.4970, 34.3929,
10.2608


 20.4970, 34.3929,
10.2608


247.3757,
321.8804, 203.0754


 12.8672, 23.1956,
5.4644


 43.7465, 66.5442,
26.9003

 7.4135, 14.7380,
2.4587


 60.0969, 88.2670,
39.5805


 3.7706, 8.6357,
0.8182


 80.0849, 114.2670,
55.7257

 1.5732, 4.5043,
0.0000

 104.0758,
144.9288, 75.7544

 0.3749, 1.9595,
0.0000

 132.4349,
180.6366, 100.0852

 0.0000, 0.5838,
0.0000

165.5278,

 0.0000, 0.0000,

221.7749, 129.1366

0.0000

203.7196,
268.7280, 163.3272

■ 20.4970, 34.3929,
10.2608

■ 20.4970, 34.3929,
10.2608

■ 18.9134, 33.6262,
7.9867

■ 22.5289, 35.3739,
13.4061

■ 17.7404, 33.0534,
6.4942

■ 25.0378, 36.5794,
17.4962

■ 16.9381, 32.6570,
5.6778

■ 28.0529, 38.0239,
22.5995

■ 16.6364, 32.5074,
5.3977

■ 31.6002, 39.7195,
28.7772

■ 35.7041, 41.6776,
36.0859

■ 40.3873, 43.9088,
44.5783

■ 45.6712, 46.4230,
54.3034

■ 51.5763, 49.2297,
65.3079

■ 58.1219, 52.3380,
77.6357

Harmonies

Analogous

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



27.6142, 34.3929, 5.1554



20.4970, 34.3929, 10.2608



17.0601, 34.3929, 25.2232

Triad

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



20.4970, 34.3929, 10.2608



28.0830, 34.3929, 123.1821



55.5687, 34.3929, 24.0927

Complementary

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



20.4970, 34.3929, 10.2608



24.4132, 14.2844, 44.1201

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.



55.7680, 34.3929, 53.0955



20.4970, 34.3929, 10.2608



38.3512, 34.3929, 122.2988

Square

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



20.4970, 34.3929, 10.2608



20.7780, 34.3929, 94.2460



48.9541, 34.3929, 92.2371



48.4559, 34.3929, 9.8063

Rectangle

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



20.4970, 34.3929, 10.2608



16.7359, 34.3929, 43.4323



48.9541, 34.3929, 92.2371



56.4897, 34.3929, 32.0404

Sweetspot

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



20.4978, 34.3944, 10.2616



60.4960, 72.9967, 58.4559



32.0022, 34.9704, 9.7664



12.9477, 15.9552, 12.1419



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.



20.4978, 34.3944, 10.2616



32.8365, 59.7166, 12.9337



20.5528, 34.2512, 18.0127



8.5144, 9.5547, 9.0480



11.7935, 22.9899, 3.8159



0.4107, 0.7438, 0.1219

Inverse Universe

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



24.4132, 14.2844, 44.1201



40.2263, 20.8147, 78.2786



25.1274, 15.0429, 26.5205



8.7107, 8.5749, 10.7023



14.6433, 6.8847, 30.6941



0.4971, 0.2354, 0.9675

Previews

White Background



This preview shows how the XYZ color 20.4970, 34.3929, 10.2608 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 20.4970, 34.3929, 10.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

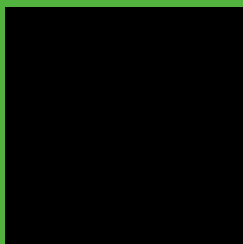
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.4970, 34.3929, 10.2608

Background



This preview shows how black text looks on a background with the XYZ color 20.4970, 34.3929, 10.2608.



This preview shows how white text looks on a background with the XYZ color 20.4970, 34.3929,

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

20.4970, 34.3929, 10.2608

Protanopia

30.8699, 33.9792, 8.8025

Deuteranopia

34.5817, 33.8827, 10.8482



Tritanopia

28.1031, 34.0378, 48.8048

Trichromacy



Original Color

20.4970, 34.3929, 10.2608



Protanomaly

25.5810, 33.3390, 9.2245



Deuteranomaly

27.1455, 32.7894, 10.5285



Tritanomaly

24.0801, 33.5022, 29.2422

Monochromacy



Original Color

20.4970, 34.3929, 10.2608



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.3788, 27.3642, 18.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4970, 34.3929, 10.2608 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, 179, 63)` looks like.

```
.text, #text, p{  
    color:rgb(82, 179, 63)  
}
```

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, 179, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 179, 63) }
```

Border

The CSS property to change the border of an element to XYZ 20.4970, 34.3929, 10.2608 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, 179, 63) }
```


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

```
.border{ border-color:rgb(82, 179, 63) }
```

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

Here you see how a box with a 4 pixel rgb(82, 179, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 179, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 179, 63);  
box-shadow:4px 4px 4px 4px rgb(82, 179,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4970, 34.3929, 10.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 179, 63) }
```

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

```
.background{ background-color: rgb(82, 179,  
63) }
```

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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