

Converting Colors

XYZ(20.0060, 32.7122, 8.5084)

Have a look what the booklet for
XYZ(20.0060, 32.7122, 8.5084)
contains.

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Color

**XYZ(19.9723, 32.6937,
8.5067)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAE34
RGB	90, 174, 52
RGB Percent	35%, 68%, 20%
CMY	0.6471, 0.3176, 0.7961
CMYK	0.48, 0.00, 0.70, 0.32
HSL	101°, 54%, 44%
HSV	101°, 70%, 68%
XYZ	19.9723, 32.6937, 8.5067
YIQ	134.9760, -10.9020, -55.7500

Conversions

Conversions Part 2

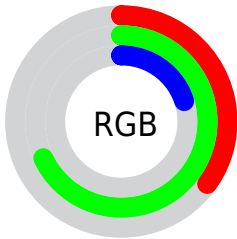
Format	Color
RYB	52, 174, 136
Decimal	5942836
CIELab	63.91, -47.19, 52.28
CIELCh	64, 70.429, 132.071
Yxy	32.6937, 0.3265, 0.5344
Android (android.graphics.Color)	4284132916 (0xFF5AAE34)
YUV	134.9760, -40.9072, -39.4440
Hunter-Lab	57.1784, -37.7125, 31.2040

Details

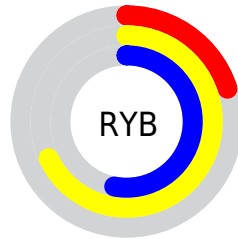
The XYZ color **19.9723, 32.6937, 8.5067** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.0232, 10.7475, 41.1181**, and the grayscale version is **23.1709, 24.3776, 26.5472**.

A 20% lighter version of the original color is **42.8792, 63.8166, 23.4225**, and **7.2894, 13.9078, 2.3003** is the 20% darker color. If you saturate the color by 10%, you get **18.5776, 32.0130, 6.7594**, and if you desaturate by 10%, it is **21.7008, 33.5319, 11.0249**.

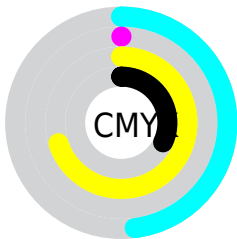
Distribution



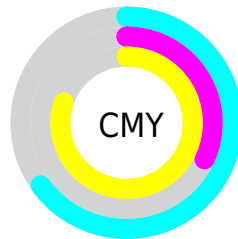
- Red (35%)
- Green (68%)
- Blue (20%)



- Red (20%)
- Yellow (68%)
- Blue (53%)



- Cyan (48%)
- Magenta (0%)
- Yellow (70%)
- Black (32%)





- Cyan (65%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9723, 32.6937, 8.5067 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 19.9723, 32.6937, 8.5067 by changing the saturation by 10% instead.


 19.9723, 32.6937,
8.5067


 19.9723, 32.6937,
8.5067


244.6015,
314.2673, 189.7346


 12.4831, 21.8919,
4.3285


 42.8750, 63.8970,
23.5083


 7.1481, 13.7775,
1.8072


 59.0192, 85.0673,
35.1688

 3.6020, 7.9661,
0.4327


 78.7791, 110.4626,
50.1604

 1.4796, 4.0732,
0.0000

 102.5201,
140.4673, 68.9017

 0.3119, 1.7146,
0.0000

 130.6075,
175.4656, 91.8112

 0.0000, 0.4331,
0.0000

 163.4066,

 0.0000, 0.0000,

215.8422, 119.3075

0.0000

201.2828,
261.9813, 151.8091

■ 19.9723, 32.6937,
8.5067

■ 19.9723, 32.6937,
8.5067

■ 18.5776, 32.0130,
6.7594

■ 21.7008, 33.5319,
11.0249

■ 17.4888, 31.4741,
5.6921

■ 23.7836, 34.5333,
14.3872

■ 16.6683, 31.0631,
5.1173

■ 26.2417, 35.7084,
18.6608

■ 29.0939, 37.0657,
23.9055

■ 32.3577, 38.6128,
30.1760

■ 36.0493, 40.3571,
37.5230

■ 40.1841, 42.3055,
45.9936

■ 44.7767, 44.4645,
55.6324

■ 49.8409, 46.8403,
66.4814

Harmonies

Analogous

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



27.2562, 32.6937, 4.4533



19.9723, 32.6937, 8.5067



16.2381, 32.6937, 21.2989

Triad

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



19.9723, 32.6937, 8.5067



25.5683, 32.6937, 116.8920



53.6893, 32.6937, 25.3585

Complementary

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



19.9723, 32.6937, 8.5067



19.0232, 10.7475, 41.1181

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.



52.9667, 32.6937, 55.1854



19.9723, 32.6937, 8.5067



35.2335, 32.6937, 120.1107

Square

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



19.9723, 32.6937, 8.5067



18.9640, 32.6937, 86.1347



45.6761, 32.6937, 93.4413



47.4799, 32.6937, 10.1179

Rectangle

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



19.9723, 32.6937, 8.5067



15.6529, 32.6937, 37.6076



45.6761, 32.6937, 93.4413



54.2804, 32.6937, 33.6611

Sweetspot

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



19.9731, 32.6951, 8.5074



57.9039, 69.6643, 53.1967



26.7921, 26.6786, 6.9867



12.5035, 15.3101, 11.1135



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.9731, 32.6951, 8.5074



32.5693, 57.5098, 11.0781



17.8017, 31.5031, 11.6867



8.1304, 9.0558, 8.5328



12.1439, 22.5575, 3.7140



0.3949, 0.6569, 0.1060

Inverse Universe

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



19.0232, 10.7475, 41.1181



30.5574, 15.1026, 73.9414



24.3224, 13.7106, 30.9146



8.0907, 8.0211, 10.0745



11.2033, 5.1354, 29.4453



0.3645, 0.1701, 0.8216

Previews

White Background



This preview shows how the XYZ color 19.9723, 32.6937, 8.5067 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 19.9723, 32.6937, 8.5067 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 19.9723, 32.6937, 8.5067

Background



This preview shows how black text looks on a background with the XYZ color 19.9723, 32.6937, 8.5067.



This preview shows how white text looks on a background with the XYZ color 19.9723, 32.6937,

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

19.9723, 32.6937, 8.5067

Protanopia

29.0819, 32.0871, 7.3500

Deuteranopia

32.6342, 31.9819, 9.0105



Tritanopia

27.3123, 32.3548, 45.8799

Trichromacy



Original Color

19.9723, 32.6937, 8.5067

Protanomaly

24.4546, 31.4623, 7.6897

Deuteranomaly

25.9786, 30.9524, 8.6082

Tritanomaly

23.3265, 31.7947, 26.3803

Monochromacy



Original Color

19.9723, 32.6937, 8.5067

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

20.9050, 26.4368, 17.3656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9723, 32.6937, 8.5067 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(90, 174, 52)` looks like.

```
.text, #text, p{  
    color:rgb(90, 174, 52)  
}
```

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(90, 174, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 174, 52) }
```

Border

The CSS property to change the border of an element to XYZ 19.9723, 32.6937, 8.5067 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(90, 174, 52) }
```


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

```
.border{ border-color:rgb(90, 174, 52) }
```

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

Here you see how a box with a 4 pixel rgb(90, 174, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 174, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 174, 52);  
box-shadow:4px 4px 4px 4px rgb(90, 174,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9723, 32.6937, 8.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 174, 52) }
```

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

```
.background{ background-color: rgb(90, 174,  
52) }
```

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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