

Converting Colors

XYZ(20.8696, 32.3640, 18.5115)

Have a look what the booklet for
XYZ(20.8696, 32.3640, 18.5115)
contains.

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Color

**XYZ(20.8696, 32.3640,
18.5115)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 53AC69 |
| RGB | 83, 172, 105 |
| RGB Percent | 33%, 67%, 41% |
| CMY | 0.6745, 0.3255, 0.5882 |
| CMYK | 0.52, 0.00, 0.39, 0.33 |
| HSL | 135°, 35%, 50% |
| HSV | 135°, 52%, 67% |
| XYZ | 20.8696, 32.3640, 18.5115 |
| YIQ | 137.7510, -31.5370, -39.7050 |

Conversions

Conversions Part 2

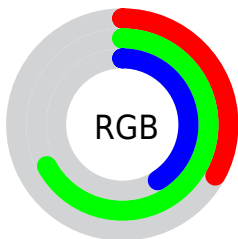
| Format | Color |
|-------------------------------------|--|
| RYB | 83, 154, 172 |
| Decimal | 5483625 |
| CIELab | 63.64, -41.64, 26.52 |
| CIElCh | 64, 49.370, 147.510 |
| Yxy | 32.3640, 0.2909, 0.4511 |
| Android (android.graphics.Color) | 4283673705 (0xFF53AC69) |
| YUV | 137.7510, -16.1462, -48.0166 |
| Hunter-Lab | 56.8894, -34.0745, 20.5299 |

Details

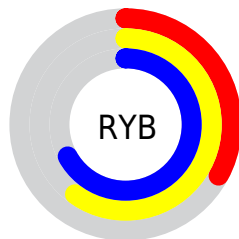
The XYZ color **20.8696, 32.3640, 18.5115** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.6126, 17.1598, 30.8175**, and the grayscale version is **24.1314, 25.3881, 27.6477**.

A 20% lighter version of the original color is **44.3104, 63.3244, 41.7857**, and **7.6446, 13.6485, 6.1024** is the 20% darker color. If you saturate the color by 10%, you get **18.9206, 31.4313, 15.2071**, and if you desaturate by 10%, it is **23.2981, 33.5340, 22.3688**.

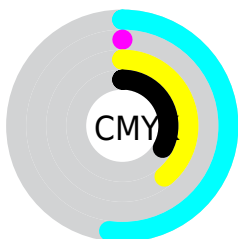
Distribution



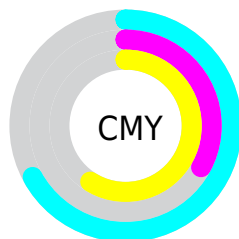
- Red (33%)
- Green (67%)
- Blue (41%)



- Red (33%)
- Yellow (60%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (33%)



- Cyan (67%)
- Magenta (33%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8696, 32.3640, 18.5115 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 20.8696, 32.3640, 18.5115 by changing the saturation by 10% instead.

■ 20.8696, 32.3640,
18.5115

■ 20.8696, 32.3640,
18.5115

249.3295,
312.7741, 256.0708

■ 13.1406, 21.6397,
11.1446

■ 44.3633, 63.3813,
41.7326

■ 7.6031, 13.5924,
6.0488

■ 60.8588, 84.4431,
58.4240

■ 3.8917, 7.8377,
2.8055

■ 81.0071, 109.7194,
79.0605

■ 1.6411, 3.9913,
0.9962

■ 105.1737,
139.5948, 104.0609

■ 0.4189, 1.6687,
0.0000

133.7239,
174.4535, 133.8435

■ 0.0000, 0.4033,
0.0000

167.0230,

■ 0.0000, 0.0000,

214.6801, 168.8270

0.0000

205.4364,
260.6588, 209.4299

■ 20.8696, 32.3640,
18.5115

■ 20.8696, 32.3640,
18.5115

■ 18.9206, 31.4313,
15.2071

■ 23.2981, 33.5340,
22.3688

■ 17.4157, 30.7154,
12.4279

■ 26.2333, 34.9521,
26.8006

■ 16.3183, 30.1991,
10.1474

■ 29.7033, 36.6332,
31.8298

■ 15.5848, 29.8603,
8.3355

■ 33.7335, 38.5900,
37.4777

■ 15.1804, 29.6772,
7.1676

■ 38.3475, 40.8343,
43.7642

■ 43.5675, 43.3770,
50.7087

■ 49.4148, 46.2288,
58.3294

■ 55.9093, 49.3995,
66.6441

■ 63.0703, 52.8988,
75.6697

Harmonies

Analogous

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



25.0290, 32.3640, 11.1349



20.8696, 32.3640, 18.5115



19.3157, 32.3640, 33.6134

Triad

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



20.8696, 32.3640, 18.5115



30.1881, 32.3640, 88.4849



44.0973, 32.3640, 20.4366

Complementary

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



20.8696, 32.3640, 18.5115



25.6126, 17.1598, 30.8175

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.



46.0164, 32.3640, 36.9160



20.8696, 32.3640, 18.5115



37.3075, 32.3640, 80.8427

Square

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



20.8696, 32.3640, 18.5115



24.1687, 32.3640, 78.0045



43.3683, 32.3640, 59.8521



38.4547, 32.3640, 11.9186

Rectangle

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



20.8696, 32.3640, 18.5115



19.7609, 32.3640, 47.9566



43.3683, 32.3640, 59.8521



45.2329, 32.3640, 24.9954

Sweetspot

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



20.8704, 32.3653, 18.5122



57.7454, 68.3293, 63.1920



29.1209, 36.7328, 13.7391



12.2373, 14.6980, 13.2950



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8704, 32.3653, 18.5122



33.9041, 56.8185, 26.8426



23.6872, 33.4920, 33.3451



7.9827, 8.9706, 8.9338



11.3152, 22.0914, 5.4337



0.3365, 0.6232, 0.2655

Inverse Universe

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



25.6126, 17.1598, 30.8175



43.4297, 26.1693, 51.4822



22.7472, 16.0137, 15.7289



8.2512, 8.1137, 9.6335



15.6559, 7.7249, 16.3655



0.4556, 0.2229, 0.5608

Previews

White Background



This preview shows how the XYZ color 20.8696, 32.3640, 18.5115 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 20.8696, 32.3640, 18.5115 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 20.8696, 32.3640, 18.5115

Background



This preview shows how black text looks on a background with the XYZ color 20.8696, 32.3640, 18.5115.



This preview shows how white text looks on a background with the XYZ color 20.8696, 32.3640,

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

20.8696, 32.3640, 18.5115

Protanopia

29.4853, 31.8610, 15.9050

Deuteranopia

32.5944, 31.9602, 19.4900



Tritanopia

26.3998, 32.1354, 46.4063

Trichromacy



Original Color

20.8696, 32.3640, 18.5115



Protanomaly

25.0244, 31.2960, 16.7784



Deuteranomaly

26.5028, 30.9921, 19.0532



Tritanomaly

23.8382, 31.8865, 34.1765

Monochromacy



Original Color

20.8696, 32.3640, 18.5115



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1435, 27.1706, 23.8160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8696, 32.3640, 18.5115 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(83, 172, 105)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 105)  
}
```

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(83, 172, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.8696, 32.3640, 18.5115 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(83, 172, 105) }
```


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

```
.border{ border-color:rgb(83, 172, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 105);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8696, 32.3640, 18.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 105) }
```

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

```
.background{ background-color: rgb(83, 172,  
105) }
```

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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