

Converting Colors

XYZ(20.4285, 35.9288, 13.8252)

Have a look what the booklet for
XYZ(20.4285, 35.9288, 13.8252)
contains.

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Color

**XYZ(20.3508, 35.7600,
13.8124)**

Conversions

Conversions Part 1

Format	Color
Hex	39B852
RGB	57, 184, 82
RGB Percent	22%, 72%, 32%
CMY	0.7765, 0.2784, 0.6784
CMYK	0.69, 0.00, 0.55, 0.28
HSL	132°, 53%, 47%
HSV	132°, 69%, 72%
XYZ	20.3508, 35.7600, 13.8124
YIQ	134.3990, -42.9500, -58.6460

Conversions

Conversions Part 2

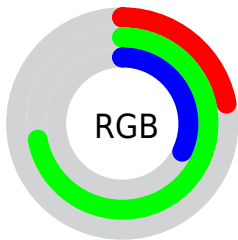
Format	Color
RYB	57, 163, 184
Decimal	3782738
CIELab	66.34, -55.77, 41.47
CIELCh	66, 69.499, 143.370
Yxy	35.7600, 0.2910, 0.5114
Android (android.graphics.Color)	4281972818 (0xFF39B852)
YUV	134.3990, -25.8327, -67.8789
Hunter-Lab	59.7997, -43.9030, 28.1651

Details

The XYZ color **20.3508, 35.7600, 13.8124** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **27.4893, 15.6204, 34.3678**, and the grayscale version is **22.9113, 24.1044, 26.2497**.

A 20% lighter version of the original color is **43.5041, 68.6249, 33.5073**, and **8.2300, 16.0642, 3.9633** is the 20% darker color. If you saturate the color by 10%, you get **18.9827, 35.1139, 11.1228**, and if you desaturate by 10%, it is **22.2218, 36.6534, 17.1594**.

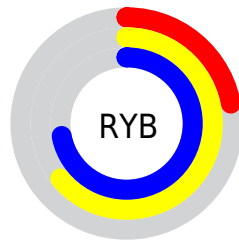
Distribution



Red (22%)

Green (72%)

Blue (32%)



Red (22%)

Yellow (64%)

Blue (72%)

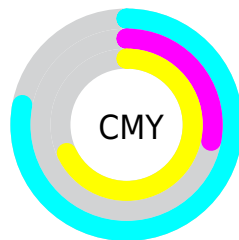


Cyan (69%)

Magenta (0%)

Yellow (55%)

Black (28%)



Cyan (78%)

Magenta (28%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3508, 35.7600, 13.8124 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 20.3508, 35.7600, 13.8124 by changing the saturation by 10% instead.

■ 20.3508, 35.7600,
13.8124

■ 20.3508, 35.7600,
13.8124

246.6055,
327.9103, 227.4483

■ 12.7600, 24.2489,
7.8530

■ 43.5040, 68.6615,
33.4681

■ 7.3394, 15.5184,
3.9146

■ 59.7972, 90.8206,
48.0015

■ 3.7234, 9.1840,
1.5786

■ 79.7219, 117.2979,
66.2301

■ 1.5469, 4.8614,
0.2755

■ 103.6434,
148.4778, 88.5723

■ 0.3574, 2.1662,
0.0000

■ 131.9272,
184.7445, 115.4467

■ 0.0000, 0.7014,
0.0000

164.9386,

■ 0.0000, 0.0000,

226.4826, 147.2718

0.0000

203.0429,
274.0764, 184.4661

■ 20.3508, 35.7600,
13.8124

■ 20.3508, 35.7600,
13.8124

■ 18.9827, 35.1139,
11.1228

■ 22.2218, 36.6534,
17.1594

■ 18.0637, 34.6852,
9.0447

■ 24.6371, 37.8116,
21.2006

■ 17.5082, 34.4318,
7.5290

■ 27.6367, 39.2554,
25.9733

■ 17.4630, 34.4111,
7.4086

■ 31.2561, 41.0025,
31.5111

■ 35.5278, 43.0688,
37.8456

■ 40.4822, 45.4695,
45.0067

■ 46.1476, 48.2186,
53.0227

■ 52.5508, 51.3293,
61.9206

■ 59.7171, 54.8141,
71.7261

Harmonies

Analogous

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



26.6675, 35.7600, 6.4989



20.3508, 35.7600, 13.8124



17.7624, 35.7600, 32.7000

Triad

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



20.3508, 35.7600, 13.8124



31.7350, 35.7600, 127.8426



55.8112, 35.7600, 20.3726

Complementary

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



20.3508, 35.7600, 13.8124



27.4893, 15.6204, 34.3678

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.



57.9316, 35.7600, 45.9196



20.3508, 35.7600, 13.8124



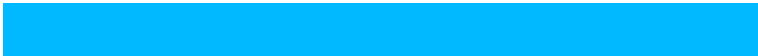
42.5406, 35.7600, 118.5581

Square

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



20.3508, 35.7600, 13.8124



23.4128, 35.7600, 105.2209



52.6634, 35.7600, 83.9940



47.3489, 35.7600, 8.7131

Rectangle

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



20.3508, 35.7600, 13.8124



18.0282, 35.7600, 53.7137



52.6634, 35.7600, 83.9940



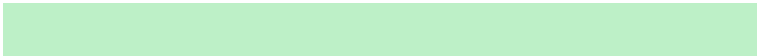
57.3519, 35.7600, 27.1534

Sweetspot

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



20.3517, 35.7615, 13.8132



62.4887, 77.1452, 65.7958



32.5212, 42.1257, 10.2881



13.0054, 16.4055, 13.4958



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3517, 35.7615, 13.8132



33.4211, 63.1879, 18.0079



23.8463, 37.1593, 32.2155



8.9607, 10.0883, 9.9504



12.0555, 23.7231, 5.2140



0.4467, 0.8450, 0.2981

Inverse Universe

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



27.4893, 15.6204, 34.3678



47.1056, 24.2365, 57.1670



23.3990, 13.9843, 12.8287



9.3031, 9.1316, 10.9435



17.3205, 8.5019, 20.1062



0.6302, 0.3076, 0.8122

Previews

White Background



This preview shows how the XYZ color 20.3508, 35.7600, 13.8124 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 20.3508, 35.7600, 13.8124 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 20.3508, 35.7600, 13.8124

Background



This preview shows how black text looks on a background with the XYZ color 20.3508, 35.7600, 13.8124.



This preview shows how white text looks on a background with the XYZ color 20.3508, 35.7600,

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

20.3508, 35.7600, 13.8124

Protanopia

31.9383, 34.9831, 11.5477

Deuteranopia

35.7424, 35.1228, 14.5684



Tritanopia

28.0330, 35.5988, 52.4075

Trichromacy



Original Color

20.3508, 35.7600, 13.8124



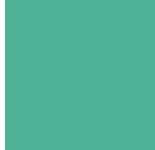
Protanomaly

25.2004, 33.8983, 12.2360



Deuteranomaly

26.6728, 33.2588, 14.0306



Tritanomaly

24.2075, 35.1920, 33.9506

Monochromacy



Original Color

20.3508, 35.7600, 13.8124



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.2666, 26.7584, 20.3164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3508, 35.7600, 13.8124 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(57, 184, 82)` looks like.

```
.text, #text, p{  
    color:rgb(57, 184, 82)  
}
```

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(57, 184, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 184, 82) }
```

Border

The CSS property to change the border of an element to XYZ 20.3508, 35.7600, 13.8124 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(57, 184, 82) }
```


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

```
.border{ border-color:rgb(57, 184, 82) }
```

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

Here you see how a box with a 4 pixel rgb(57, 184, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 184, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 184, 82);  
box-shadow:4px 4px 4px 4px rgb(57, 184,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3508, 35.7600, 13.8124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 184, 82) }
```

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

```
.background{ background-color: rgb(57, 184,  
82) }
```

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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