

Converting Colors

XYZ(13.2954, 8.8404, 52.6362)

Have a look what the booklet for
XYZ(13.2954, 8.8404, 52.6362)
contains.

XYZ(13.3437, 8.9002, 52.6444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.3437, 8.9002,
52.6444)**

Conversions

Conversions Part 1

Format	Color
Hex	3345C3
RGB	51, 69, 195
RGB Percent	20%, 27%, 76%
CMY	0.8000, 0.7294, 0.2353
CMYK	0.74, 0.65, 0.00, 0.24
HSL	233°, 59%, 48%
HSV	233°, 74%, 76%
XYZ	13.3437, 8.9002, 52.6444
YIQ	77.9820, -51.1740, 35.3700

Conversions

Conversions Part 2

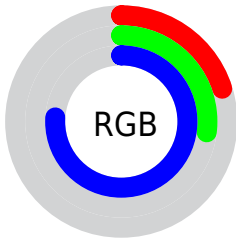
Format	Color
R_{YB}	51, 67, 195
Decimal	3360195
CIE _{Lab}	35.79, 36.63, -67.68
CIE _{LCh}	36, 76.954, 298.422
Yxy	8.9002, 0.1782, 0.1188
Android (android.graphics.Color)	4281550275 (0xFF3345C3)
YUV	77.9820, 57.6899, -23.6632
Hunter-Lab	29.8332, 27.6308, -83.7413

Details

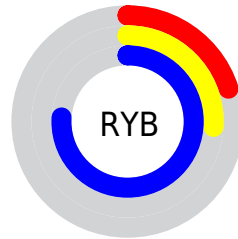
The XYZ color **13.3437, 8.9002, 52.6444** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **38.8279, 43.2899, 9.4425**, and the grayscale version is **7.1404, 7.5122, 8.1808**.

A 20% lighter version of the original color is **31.5621, 23.6660, 95.8330**, and **5.1030, 2.6322, 25.0501** is the 20% darker color. If you saturate the color by 10%, you get **11.6561, 6.6897, 52.3069**, and if you desaturate by 10%, it is **15.7460, 11.9270, 53.1023**.

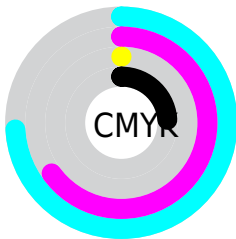
Distribution



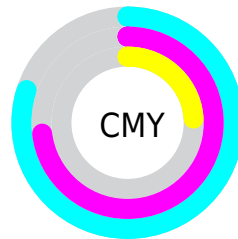
- Red (20%)
- Green (27%)
- Blue (76%)



- Red (20%)
- Yellow (26%)
- Blue (76%)



- Cyan (74%)
- Magenta (65%)
- Yellow (0%)
- Black (24%)



- Cyan (80%)
- Magenta (73%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3437, 8.9002, 52.6444 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 13.3437, 8.9002, 52.6444 by changing the saturation by 10% instead.

■ 13.3437, 8.9002,
52.6444

■ 13.3437, 8.9002,
52.6444

206.7022,
182.6316, 413.9469

■ 7.7443, 4.6761,
37.1332

■ 31.5160, 23.7052,
95.5171

■ 3.9822, 2.0585,
25.0140

■ 44.8195, 35.0550,
123.7158

■ 1.6921, 0.6411,
15.8684

■ 61.4219, 49.5487,
156.9806

■ 0.4513, 0.0000,
9.2777

■ 81.6883, 67.5709,
195.7302

■ 0.0000, 0.0000,
4.8235

■ 105.9842, 89.5059,
240.3830

■ 0.0000, 0.0000,
2.0872

134.6749,

■ 0.0000, 0.0000,

115.7381, 291.3578

0.6081

168.1258,
146.6519, 349.0729

■ 0.0000, 0.0000,
0.0000

■ 13.3437, 8.9002,
52.6444

■ 13.3437, 8.9002,
52.6444

■ 11.6561, 6.6897,
52.3069

■ 15.7460, 11.9270,
53.1023

■ 10.5994, 5.2129,
52.0776

■ 18.9307, 15.8401,
53.6897

■ 10.1845, 4.6085,
51.9828

■ 22.9595, 20.7027,
54.4160

■ 27.8871, 26.5719,
55.2891

■ 33.7639, 33.5002,
56.3167

■ 40.6363, 41.5366,
57.5056

■ 48.5477, 50.7268,
58.8625

■ 57.5389, 61.1141,
60.3936

■ 67.6487, 72.7395,
62.1047

Harmonies

Analogous

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



8.2207, 8.9002, 62.5059



13.3437, 8.9002, 52.6444



18.3152, 8.9002, 29.6222

Triad

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



13.3437, 8.9002, 52.6444



13.9172, 8.9002, 0.0000



2.3817, 8.9002, 9.0171

Complementary

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



13.3437, 8.9002, 52.6444



38.8279, 43.2899, 9.4425

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.



2.9810, 8.9002, 1.6010



13.3437, 8.9002, 52.6444



8.7026, 8.9002, 0.0000

Square

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



13.3437, 8.9002, 52.6444



18.7213, 8.9002, 1.9885



4.9414, 8.9002, 0.0000



2.8624, 8.9002, 27.1757

Rectangle

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



13.3437, 8.9002, 52.6444



20.2495, 8.9002, 15.6392



4.9414, 8.9002, 0.0000



2.4575, 8.9002, 5.4819

Sweetspot

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



13.3442, 8.9004, 52.6447



62.2019, 62.0295, 101.1643



28.6978, 42.8612, 47.7320



12.9293, 12.7713, 22.0336



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



13.3442, 8.9004, 52.6447



19.5211, 10.1133, 93.3930



16.7211, 9.2402, 52.5323



9.6275, 9.9463, 12.6972



6.6536, 3.0637, 33.7973



0.3216, 0.2006, 1.4716

Inverse Universe

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



24.7642, 14.4004, 7.1045



41.4278, 21.8831, 5.7613



31.3033, 45.0384, 10.1765



10.1233, 10.0979, 10.7397



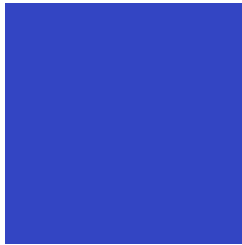
14.7544, 7.5915, 1.3528



0.6547, 0.3349, 0.1491

Previews

White Background



This preview shows how the XYZ color 13.3437, 8.9002, 52.6444 looks on a white 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

Black Background



This preview shows how the XYZ color 13.3437, 8.9002, 52.6444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

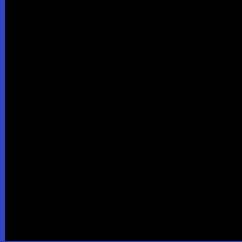
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3437, 8.9002, 52.6444

Background



This preview shows how black text looks on a background with the XYZ color 13.3437, 8.9002, 52.6444.



This preview shows how white text looks on a background with the XYZ color 13.3437, 8.9002,

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

13.3437, 8.9002, 52.6444

Protanopia

10.2931, 8.8251, 39.6890

Deuteranopia

8.5161, 8.7309, 28.4305



Tritanopia

6.1665, 8.7296, 13.1643

Trichromacy



Original Color

13.3437, 8.9002, 52.6444

Protanomaly

11.1607, 8.7415, 44.2791

Deuteranomaly

9.8381, 8.5561, 36.2549

Tritanomaly

7.7420, 8.2003, 23.7290

Monochromacy



Original Color

13.3437, 8.9002, 52.6444

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.3512, 7.6416, 19.1240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3437, 8.9002, 52.6444 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(51, 69, 195)` looks like.

```
.text, #text, p{  
    color:rgb(51, 69, 195)  
}
```

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(51, 69, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 69, 195) }
```

Border

The CSS property to change the border of an element to XYZ 13.3437, 8.9002, 52.6444 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(51, 69, 195) }
```


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

```
.border{ border-color:rgb(51, 69, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 69, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 69, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 69, 195);  
box-shadow:4px 4px 4px 4px rgb(51, 69,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3437, 8.9002, 52.6444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 69, 195) }
```

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

```
.background{ background-color: rgb(51, 69,  
195) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor