

Converting Colors

XYZ(13.2468, 9.8003, 35.8438)

Have a look what the booklet for
XYZ(13.2468, 9.8003, 35.8438)
contains.

XYZ(13.2468, 9.8003, 35.8438)	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(13.2468, 9.8003,
35.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	594BA3
RGB	89, 75, 163
RGB Percent	35%, 29%, 64%
CMY	0.6510, 0.7059, 0.3608
CMYK	0.45, 0.54, 0.00, 0.36
HSL	250°, 37%, 47%
HSV	250°, 54%, 64%
XYZ	13.2468, 9.8003, 35.8438
YIQ	89.2180, -19.9040, 30.3360

Conversions

Conversions Part 2

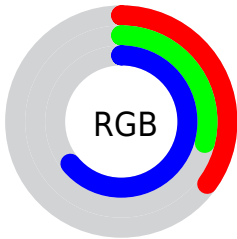
Format	Color
R_{YB}	89, 75, 163
Decimal	5852067
CIE _{Lab}	37.48, 28.71, -45.89
CIE _{LCh}	37, 54.128, 302.034
Yxy	9.8003, 0.2249, 0.1664
Android (android.graphics.Color)	4284042147 (0xFF594BA3)
YUV	89.2180, 36.3745, -0.1912
Hunter-Lab	31.3054, 20.7472, -45.9715

Details

The XYZ color **13.2468, 9.8003, 35.8438** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **26.7611, 33.0918, 11.6336**, and the grayscale version is **9.4692, 9.9623, 10.8490**.

A 20% lighter version of the original color is **31.3215, 25.3694, 70.2638**, and **3.9059, 2.3777, 15.0049** is the 20% darker color. If you saturate the color by 10%, you get **11.0845, 7.2495, 35.4656**, and if you desaturate by 10%, it is **15.9381, 13.0445, 36.3283**.

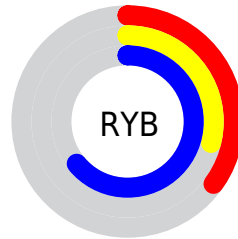
Distribution



Red (35%)

Green (29%)

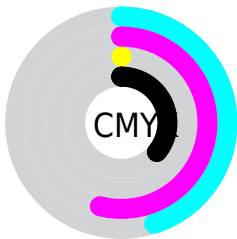
Blue (64%)



Red (35%)

Yellow (29%)

Blue (64%)

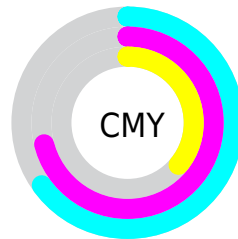


Cyan (45%)

Magenta (54%)

Yellow (0%)

Black (36%)



Cyan (65%)

Magenta (71%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2468, 9.8003, 35.8438 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 13.2468, 9.8003, 35.8438 by changing the saturation by 10% instead.

■ 13.2468, 9.8003,
35.8438

■ 13.2468, 9.8003,
35.8438

206.0992,
189.2408, 343.2940

■ 7.6769, 5.2668,
24.0248

■ 31.3440, 25.4192,
69.9572

■ 3.9390, 2.4046,
15.1397

■ 44.6020, 37.2734,
93.0888

■ 1.6677, 0.8283,
8.7698

■ 61.1535, 52.3365,
120.8283

■ 0.4359, 0.0000,
4.4966

■ 81.3636, 70.9930,
153.5943

■ 0.0000, 0.0000,
1.9015

■ 105.5980, 93.6273,
191.8053

■ 0.0000, 0.0000,
0.4937

134.2217,

■ 0.0000, 0.0000,

120.6238, 235.8800

0.0000

167.6004,
152.3668, 286.2367

■ 13.2468, 9.8003,
35.8438

■ 13.2468, 9.8003,
35.8438

■ 11.0845, 7.2495,
35.4656

■ 15.9381, 13.0445,
36.3283

■ 9.4142, 5.3398,
35.1850

■ 19.1894, 17.0270,
36.9257

■ 8.1961, 4.0132,
34.9932

■ 23.0308, 21.7903,
37.6426

■ 7.3829, 3.2002,
34.8791

■ 27.4901, 27.3731,
38.4852

■ 7.0353, 2.8632,
34.8324

■ 32.5928, 33.8117,
39.4590

■ 38.3635, 41.1402,
40.5694

■ 44.8251, 49.3907,
41.8214

■ 51.9996, 58.5938,
43.2196

■ 59.9080, 68.7787,
44.7687

Harmonies

Analogous

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



9.5498, 9.8003, 42.6225



13.2468, 9.8003, 35.8438



16.3952, 9.8003, 22.1316

Triad

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



13.2468, 9.8003, 35.8438



12.7432, 9.8003, 1.1914



4.1758, 9.8003, 11.3519

Complementary

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



13.2468, 9.8003, 35.8438



26.7611, 33.0918, 11.6336

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.



4.6383, 9.8003, 4.0618



13.2468, 9.8003, 35.8438



9.0839, 9.8003, 0.7361

Square

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



13.2468, 9.8003, 35.8438



16.0580, 9.8003, 3.4847



6.2499, 9.8003, 1.3529



4.7862, 9.8003, 24.0643

Rectangle

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



13.2468, 9.8003, 35.8438



17.4414, 9.8003, 13.4927



6.2499, 9.8003, 1.3529



4.2106, 9.8003, 8.2728

Sweetspot

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



13.2472, 9.8006, 35.8440



47.2875, 46.5803, 68.5547



20.3871, 25.8893, 38.5732



10.2626, 10.0129, 15.3293



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.2472, 9.8006, 35.8440



19.1142, 12.1289, 63.3898



18.6741, 12.5983, 36.0980



6.8006, 6.9116, 8.8787



5.4942, 2.2388, 27.0723



0.1435, 0.0615, 0.5702

Inverse Universe

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



23.0450, 14.9886, 30.1109



38.7723, 22.5601, 50.8875



20.2875, 29.7545, 11.3306



7.3157, 7.1827, 8.6488



15.2653, 7.4622, 19.1197



0.3330, 0.1617, 0.4659

Previews

White Background



This preview shows how the XYZ color 13.2468, 9.8003, 35.8438 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 13.2468, 9.8003, 35.8438 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 13.2468, 9.8003, 35.8438

Background



This preview shows how black text looks on a background with the XYZ color 13.2468, 9.8003, 35.8438.



This preview shows how white text looks on a background with the XYZ color 13.2468, 9.8003,

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

13.2468, 9.8003, 35.8438

Protanopia

11.4841, 9.8601, 41.3423

Deuteranopia

9.9142, 9.8155, 34.1729



Tritanopia

8.6657, 9.7607, 13.2317

Trichromacy



Original Color

13.2468, 9.8003, 35.8438

Protanomaly

11.6663, 9.5440, 39.2575

Deuteranomaly

10.1893, 9.3421, 34.5239

Tritanomaly

9.9032, 9.5218, 19.7283

Monochromacy



Original Color

13.2468, 9.8003, 35.8438

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.4425, 9.7254, 17.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2468, 9.8003, 35.8438 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(89, 75, 163)` looks like.

```
.text, #text, p{  
    color:rgb(89, 75, 163)  
}
```

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(89, 75, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 75, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.2468, 9.8003, 35.8438 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(89, 75, 163) }
```


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

```
.border{ border-color:rgb(89, 75, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 75, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 75, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 75, 163);  
box-shadow:4px 4px 4px 4px rgb(89, 75,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2468, 9.8003, 35.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 75, 163) }
```

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

```
.background{ background-color: rgb(89, 75,  
163) }
```

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