

Converting Colors

XYZ(13.4014, 20.7662, 0.7409)

Have a look what the booklet for
XYZ(13.4014, 20.7662, 0.7409)
contains.

XYZ(13.8487, 20.8449, 3.2936)	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(13.8487, 20.8449,
3.2936)**

Conversions

Conversions Part 1

Format	Color
Hex	5E8B00
RGB	94, 139, 0
RGB Percent	37%, 55%, 0%
CMY	0.6314, 0.4549, 1.0000
CMYK	0.32, 0.00, 1.00, 0.45
HSL	79°, 100%, 27%
HSV	79°, 100%, 55%
XYZ	13.8487, 20.8449, 3.2936
YIQ	109.6990, 17.7990, -52.7690

Conversions

Conversions Part 2

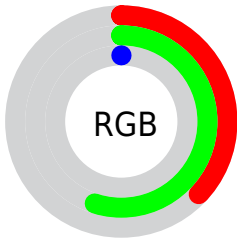
Format	Color
RYB	0, 139, 45
Decimal	6195968
CIELab	52.78, -33.36, 56.27
CIELCh	53, 65.414, 120.662
Yxy	20.8449, 0.3646, 0.5487
Android (android.graphics.Color)	4284386048 (0xFF5E8B00)
YUV	109.6990, -54.0816, -13.7680
Hunter-Lab	45.6562, -25.7548, 27.6822

Details

The XYZ color **13.8487, 20.8449, 3.2936** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.7434, 2.4226, 24.5922**, and the grayscale version is **14.8820, 15.6570, 17.0505**.

A 20% lighter version of the original color is **32.5078, 44.9468, 12.4311**, and **4.4042, 7.4509, 1.2060** is the 20% darker color. If you saturate the color by 10%, you get **13.8487, 20.8456, 3.2937**, and if you desaturate by 10%, it is **14.4029, 21.1222, 3.7302**.

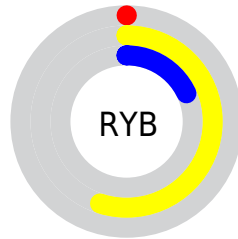
Distribution



Red (37%)

Green (55%)

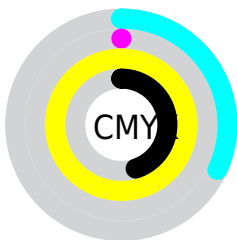
Blue (0%)



Red (0%)

Yellow (55%)

Blue (18%)

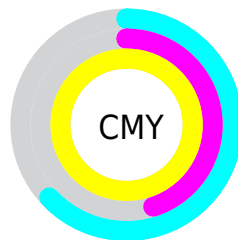


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (63%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8487, 20.8449, 3.2936 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 13.8487, 20.8449, 3.2936 by changing the saturation by 10% instead.

■ 13.8487, 20.8449,
3.2936

■ 13.8487, 20.8449,
3.2936

209.8170,
256.4531, 140.0164

■ 8.0965, 13.0107,
1.2464

■ 32.4088, 44.8293,
12.3447

■ 4.2091, 7.4359,
0.0173

■ 45.9475, 61.7482,
20.1857

■ 1.8211, 3.7362,
0.0000

■ 62.8124, 82.4641,
30.7951

■ 0.5303, 1.5271,
0.0000

■ 83.3688, 107.3615,
44.5914


■ 0.0000, 0.3077,
0.0000


■ 107.9821,
136.8247, 61.9931


■ 0.0000, 0.0000,
0.0000


■ 137.0177,


171.2381, 83.4189


 170.8409,
210.9861, 109.2871


 13.8487, 20.8449,
3.2936


 13.8487, 20.8449,
3.2936


 13.8487, 20.8456,
3.2937

 14.4029, 21.1222,
3.7302

 15.0341, 21.4327,
4.4314

 15.7698, 21.7882,
5.5380

 16.6198, 22.1928,
7.0996

 17.5928, 22.6498,
9.1587

■ 18.6961, 23.1623,
11.7529

■ 19.9367, 23.7331,
14.9163

■ 21.3209, 24.3648,
18.6799

■ 22.8544, 25.0597,
23.0728

Harmonies

Analogous

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



19.6614, 20.8449, 2.0464



13.8487, 20.8449, 3.2936



10.4378, 20.8449, 8.8193

Triad

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



13.8487, 20.8449, 3.2936



14.0563, 20.8449, 73.7076



36.0325, 20.8449, 22.2657

Complementary

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



13.8487, 20.8449, 3.2936



5.7434, 2.4226, 24.5922

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.



33.5852, 20.8449, 46.5217



13.8487, 20.8449, 3.2936



19.9643, 20.8449, 84.7788

Square

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



13.8487, 20.8449, 3.2936



10.5369, 20.8449, 47.7442



27.2813, 20.8449, 72.7607



33.3704, 20.8449, 8.4253

Rectangle

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



13.8487, 20.8449, 3.2936



9.4846, 20.8449, 17.1311



27.2813, 20.8449, 72.7607



35.7755, 20.8449, 29.3531

Sweetspot

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



13.8492, 20.8458, 3.2940



35.5469, 42.4290, 26.3043



11.5497, 7.2925, 0.7992



7.9947, 9.6866, 5.5524



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.8492, 20.8458, 3.2940



24.6209, 37.2370, 5.8898



9.6463, 18.6792, 3.0974



5.2763, 5.7652, 5.3871



12.5169, 18.8227, 2.9734



0.0985, 0.1330, 0.0205

Inverse Universe

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



5.7434, 2.4226, 24.5922



10.1269, 4.2565, 44.0308



11.5379, 5.4098, 24.8634



4.9173, 4.9658, 6.3052



5.1995, 2.1946, 22.1952



0.0486, 0.0218, 0.1481

Previews

White Background



This preview shows how the XYZ color 13.8487, 20.8449, 3.2936 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8487, 20.8449, 3.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

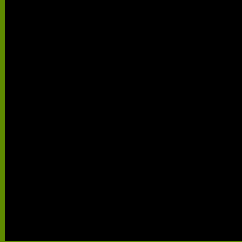
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8487, 20.8449, 3.2936

Background



This preview shows how black text looks on a background with the XYZ color 13.8487, 20.8449, 3.2936.



This preview shows how white text looks on a background with the XYZ color 13.8487, 20.8449,

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

13.8487, 20.8449, 3.2936

Protanopia

18.6162, 20.6725, 3.0090

Deuteranopia

20.8952, 20.5419, 3.9006



Tritanopia

18.7682, 20.7821, 27.8331

Trichromacy



Original Color

13.8487, 20.8449, 3.2936

Protanomaly

16.5737, 20.5926, 3.1012

Deuteranomaly

17.5537, 20.1131, 3.4873

Tritanomaly

15.7842, 20.3799, 12.5530

Monochromacy



Original Color

13.8487, 20.8449, 3.2936

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6518, 17.0600, 8.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8487, 20.8449, 3.2936 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(94, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 139, 0)  
}
```

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(94, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8487, 20.8449, 3.2936 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(94, 139, 0) }
```


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

```
.border{ border-color:rgb(94, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8487, 20.8449, 3.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 139, 0) }
```

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

```
.background{ background-color: rgb(94, 139,  
0) }
```

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