

Converting Colors

XYZ(13.6732, 8.5519, 0.9300)

Have a look what the booklet for
XYZ(13.6732, 8.5519, 0.9300)
contains.

XYZ(13.5942, 8.5171, 0.9275)	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(13.5942, 8.5171,
0.9275)**

Conversions

Conversions Part 1

Format	Color
Hex	962F00
RGB	150, 47, 0
RGB Percent	59%, 18%, 0%
CMY	0.4118, 0.8157, 1.0000
CMYK	0.00, 0.69, 1.00, 0.41
HSL	19°, 100%, 29%
HSV	19°, 100%, 59%
XYZ	13.5942, 8.5171, 0.9275
YIQ	72.4390, 76.4750, 7.2190

Conversions

Conversions Part 2

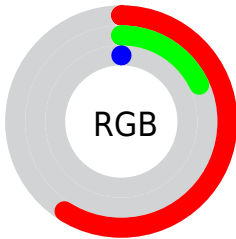
Format	Color
R_{YB}	150, 68, 0
Decimal	9842432
CIE _{Lab}	35.04, 41.49, 47.14
CIE _{LCh}	35, 62.802, 48.647
Yxy	8.5171, 0.5901, 0.3697
Android (android.graphics.Color)	4288032512 (0xFF962F00)
YUV	72.4390, -35.7124, 68.0210
Hunter-Lab	29.1841, 32.0748, 18.5446

Details

The XYZ color **13.5942, 8.5171, 0.9275** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.3547, 11.9014, 30.6053**, and the grayscale version is **6.2865, 6.6139, 7.2026**.

A 20% lighter version of the original color is **31.9015, 23.0029, 5.7762**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **13.5943, 8.5175, 0.9275**, and if you desaturate by 10%, it is **14.1421, 9.4752, 1.5355**.

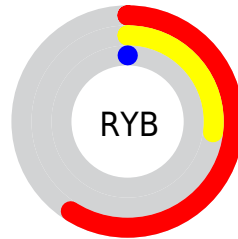
Distribution



Red (59%)

Green (18%)

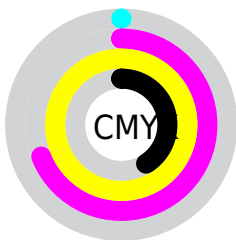
Blue (0%)



Red (59%)

Yellow (27%)

Blue (0%)

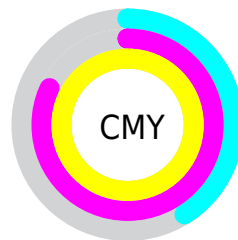


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5942, 8.5171, 0.9275 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 13.5942, 8.5171, 0.9275 by changing the saturation by 10% instead.


 13.5942, 8.5171,
0.9275


 13.5942, 8.5171,
0.9275


 208.2530,
179.7335, 102.5191


 7.9188, 4.4276,
0.0000


 31.9596, 22.9661,
5.8193


 4.0944, 1.9155,
0.0000

 45.3802, 34.0944,
10.7988


 1.7557, 0.5577,
0.0000

 62.1133, 48.3377,
18.0257

 0.4907, 0.0000,
0.0000

 82.5242, 66.0804,
27.9185


 0.0000, 0.0000,
0.0000

 106.9783, 87.7069,
40.8957


 135.8409,


113.6017, 57.3758


 169.4773,
144.1491, 77.7774


 13.5942, 8.5171,
0.9275


 13.5942, 8.5171,
0.9275


 13.5943, 8.5175,
0.9275

 14.1421, 9.4752,
1.5355

 14.8553, 10.6645,
2.5039

 15.7689, 12.1088,
3.9890

 16.8998, 13.8234,
6.0527

 18.2626, 15.8220,
8.7484

■ 19.8708, 18.1176,
12.1231

■ 21.7365, 20.7221,
16.2193

■ 23.8712, 23.6468,
21.0761

■ 26.2854, 26.9024,
26.7297

Harmonies

Analogous

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



16.6015, 8.5171, 4.2635



13.5942, 8.5171, 0.9275



9.5382, 8.5171, 0.0000

Triad

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



13.5942, 8.5171, 0.9275



3.0229, 8.5171, 5.8885



10.5205, 8.5171, 43.6773

Complementary

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



13.5942, 8.5171, 0.9275



10.3547, 11.9014, 30.6053

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.



6.8057, 8.5171, 45.5402



13.5942, 8.5171, 0.9275



3.1428, 8.5171, 17.1813

Square

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



13.5942, 8.5171, 0.9275



3.9265, 8.5171, 1.3687



4.3243, 8.5171, 33.5897



14.4945, 8.5171, 29.5506

Rectangle

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



13.5942, 8.5171, 0.9275



7.0970, 8.5171, 0.0000



4.3243, 8.5171, 33.5897



9.1830, 8.5171, 46.0122

Sweetspot

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



13.5944, 8.5176, 0.9276



38.1524, 36.2823, 28.1584



15.1274, 7.5039, 14.0158



8.1682, 7.6421, 5.6043



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.5944, 8.5176, 0.9276



23.8513, 14.7518, 1.5903



19.2940, 19.9169, 2.8275



5.9403, 6.0943, 6.1037



11.3011, 7.1165, 0.7780



0.1624, 0.1352, 0.0175

Inverse Universe

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



10.3547, 11.9014, 30.6053



18.1120, 20.6798, 53.9582



5.9693, 3.1306, 29.1435



5.8124, 6.2587, 7.3714



8.6174, 9.9296, 25.3935



0.1319, 0.1744, 0.3196

Previews

White Background



This preview shows how the XYZ color 13.5942, 8.5171, 0.9275 looks on a white background.

Color Contrast Check

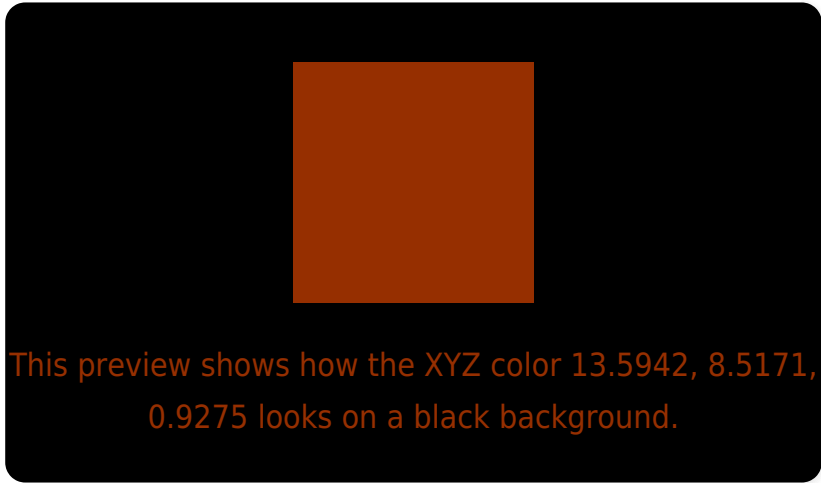
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 13.5942, 8.5171, 0.9275

Background



This preview shows how black text looks on a background with the XYZ color 13.5942, 8.5171, 0.9275.



This preview shows how white text looks on a background with the XYZ color 13.5942, 8.5171,

0.9275.

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

13.5942, 8.5171, 0.9275

Protanopia

7.8799, 8.7577, 1.7653

Deuteranopia

8.7398, 8.6561, 1.2102



Tritanopia

14.1563, 8.5779, 3.4944

Trichromacy



Original Color

13.5942, 8.5171, 0.9275

Protanomaly

9.2475, 8.1058, 1.3643

Deuteranomaly

10.0332, 8.1519, 1.0447

Tritanomaly

13.9227, 8.5448, 2.0779

Monochromacy



Original Color

13.5942, 8.5171, 0.9275

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.5262, 6.4616, 3.4353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5942, 8.5171, 0.9275 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(150, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 47, 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(150, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5942, 8.5171, 0.9275 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(150, 47, 0) }
```


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

```
.border{ border-color:rgb(150, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5942, 8.5171, 0.9275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 47, 0) }
```

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

```
.background{ background-color: rgb(150, 47,  
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](#).

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