

Converting Colors

XYZ(13.5161, 6.9240, 2.6120)

Have a look what the booklet for
XYZ(13.5161, 6.9240, 2.6120)
contains.

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Color

**XYZ(13.5199, 6.9255,
2.6317)**

Conversions

Conversions Part 1

Format	Color
Hex	990028
RGB	153, 0, 40
RGB Percent	60%, 0%, 16%
CMY	0.4000, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.74, 0.40
HSL	344°, 100%, 30%
HSV	344°, 100%, 60%
XYZ	13.5199, 6.9255, 2.6317
YIQ	50.3070, 78.3480, 44.8760

Conversions

Conversions Part 2

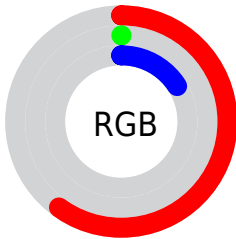
Format	Color
R_{YB}	153, 0, 40
Decimal	10027048
CIE Lab	31.64, 55.67, 24.31
CIE LCh	32, 60.749, 23.585
Yxy	6.9255, 0.5859, 0.3001
Android (android.graphics.Color)	4288217128 (0xFF990028)
YUV	50.3070, -5.0814, 90.0618
Hunter-Lab	26.3163, 45.6499, 12.4923

Details

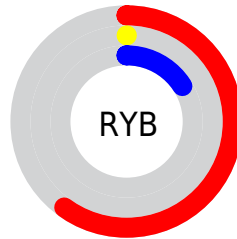
The XYZ color **13.5199, 6.9255, 2.6317** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.3732, 23.9752, 19.4988**, and the grayscale version is **3.0673, 3.2271, 3.5143**.

A 20% lighter version of the original color is **31.8200, 19.8496, 10.7486**, and **4.6161, 2.3797, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **13.5196, 6.9254, 2.6303**, and if you desaturate by 10%, it is **13.9164, 7.3648, 3.8551**.

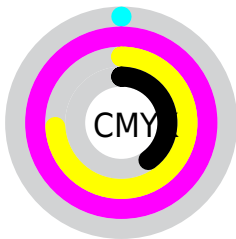
Distribution



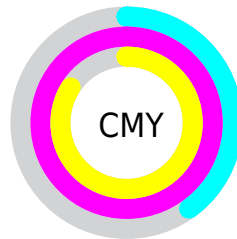
- Red (60%)
- Green (0%)
- Blue (16%)



- Red (60%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5199, 6.9255, 2.6317 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 13.5199, 6.9255, 2.6317 by changing the saturation by 10% instead.

■ 13.5199, 6.9255,
2.6317

■ 13.5199, 6.9255,
2.6317

207.7942,
167.0432, 131.5220

■ 7.8670, 3.4156,
0.9088

■ 31.8281, 19.8232,
10.7053

■ 4.0610, 1.3523,
0.0000

■ 45.2141, 29.9797,
17.8940

■ 1.7367, 0.1812,
0.0000

■ 61.9086, 43.1205,
27.7421

■ 0.4791, 0.0000,
0.0000


■ 82.2768, 59.6301,
40.6681


■ 0.0000, 0.0000,
0.0000


■ 106.6841, 79.8927,
57.0906


■ 135.4958,


104.2929, 77.4280


 169.0774,
133.2149, 102.0990


 13.5199, 6.9255,
2.6317

 13.5199, 6.9255,
2.6317


 13.5196, 6.9254,
2.6303

 13.9164, 7.3648,
3.8551

 14.5031, 8.0870,
5.4413

 15.3436, 9.2132,
7.4314

 16.4653, 10.7926,
9.8528

 17.8921, 12.8671,
12.7299

■ 19.6451, 15.4742,
16.0856

■ 21.7435, 18.6474,
19.9410

■ 24.2051, 22.4177,
24.3158

■ 27.0463, 26.8136,
29.2287

Harmonies

Analogous

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



14.2626, 6.9255, 9.5688



13.5199, 6.9255, 2.6317



10.6955, 6.9255, 0.3956

Triad

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



13.5199, 6.9255, 2.6317



2.9114, 6.9255, 1.3309



5.9511, 6.9255, 39.3841

Complementary

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



13.5199, 6.9255, 2.6317



14.3732, 23.9752, 19.4988

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.



3.6877, 6.9255, 30.6109



13.5199, 6.9255, 2.6317



2.3163, 6.9255, 5.8215

Square

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



13.5199, 6.9255, 2.6317



4.5106, 6.9255, 0.0000



2.5487, 6.9255, 16.4122



9.2078, 6.9255, 35.6187

Rectangle

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



13.5199, 6.9255, 2.6317



8.3754, 6.9255, 0.0000



2.5487, 6.9255, 16.4122



5.0657, 6.9255, 37.6719

Sweetspot

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



13.5201, 6.9259, 2.6318



38.6943, 33.0210, 35.2673



12.4582, 5.7586, 30.5918



8.2113, 6.7864, 7.1812



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.5201, 6.9259, 2.6318



24.1461, 12.3762, 4.3628



13.7592, 8.0170, 0.8228



6.2718, 6.2479, 6.8113



11.1859, 5.7286, 2.2380



0.1806, 0.0910, 0.1037

Inverse Universe

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



13.5201, 6.9259, 2.6318



24.1461, 12.3762, 4.3628



12.1469, 15.0937, 32.4100



6.2718, 6.2479, 6.8113



11.1859, 5.7286, 2.2380



0.1806, 0.0910, 0.1037

Previews

White Background



This preview shows how the XYZ color 13.5199, 6.9255, 2.6317 looks on a white background.

Color Contrast Check

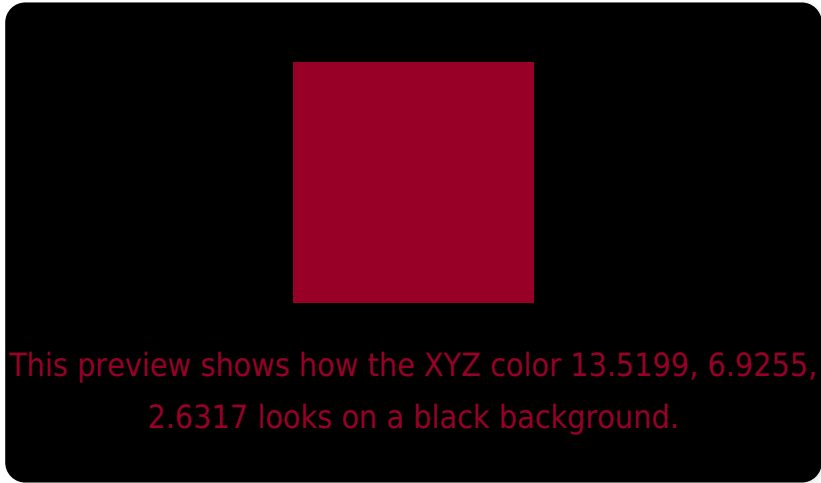
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5199, 6.9255, 2.6317

Background



This preview shows how black text looks on a background with the XYZ color 13.5199, 6.9255, 2.6317.



This preview shows how white text looks on a background with the XYZ color 13.5199, 6.9255,

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

13.5199, 6.9255, 2.6317

Protanopia

7.1073, 7.6140, 5.3700

Deuteranopia

7.6393, 7.5432, 2.4199



Tritanopia

13.1946, 7.0701, 0.9859

Trichromacy



Original Color

13.5199, 6.9255, 2.6317

Protanomaly

7.9675, 5.7264, 4.0535

Deuteranomaly

8.6560, 5.9363, 2.2797

Tritanomaly

13.2023, 6.9504, 1.4048

Monochromacy



Original Color

13.5199, 6.9255, 2.6317

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9401, 3.2565, 2.9530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5199, 6.9255, 2.6317 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(153, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 40)  
}
```

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(153, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 13.5199, 6.9255, 2.6317 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(153, 0, 40) }
```


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

```
.border{ border-color:rgb(153, 0, 40) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5199, 6.9255, 2.6317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 40) }
```

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

```
.background{ background-color: rgb(153, 0,  
40) }
```

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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