

Converting Colors

XYZ(13.2728, 6.7717, 3.8161)

Have a look what the booklet for
XYZ(13.2728, 6.7717, 3.8161)
contains.

XYZ(13.1975, 6.7320, 3.8526)	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(13.1975, 6.7320,
3.8526)**

Conversions

Conversions Part 1

Format	Color
Hex	960034
RGB	150, 0, 52
RGB Percent	59%, 0%, 20%
CMY	0.4118, 0.9999, 0.7961
CMYK	0.00, 1.00, 0.65, 0.41
HSL	339°, 100%, 29%
HSV	339°, 100%, 59%
XYZ	13.1975, 6.7320, 3.8526
YIQ	50.7780, 72.7080, 47.9720

Conversions

Conversions Part 2

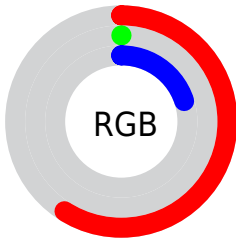
Format	Color
R_{YB}	150, 0, 52
Decimal	9830452
CIE Lab	31.19, 55.51, 15.70
CIE LCh	31, 57.691, 15.793
Yxy	6.7320, 0.5549, 0.2831
Android (android.graphics.Color)	4288020532 (0xFF960034)
YUV	50.7780, 0.6024, 87.0177
Hunter-Lab	25.9461, 45.3885, 9.3586

Details

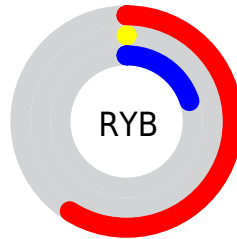
The XYZ color **13.1975, 6.7320, 3.8526** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.1122, 22.6949, 15.2504**, and the grayscale version is **3.1158, 3.2780, 3.5698**.

A 20% lighter version of the original color is **31.1655, 19.3486, 13.6473**, and **4.4520, 2.2907, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **13.1971, 6.7318, 3.8508**, and if you desaturate by 10%, it is **13.6128, 7.1719, 5.1958**.

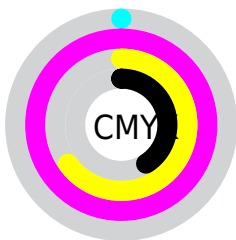
Distribution



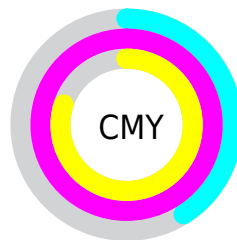
- Red (59%)
- Green (0%)
- Blue (20%)



- Red (59%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1975, 6.7320, 3.8526 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 13.1975, 6.7320, 3.8526 by changing the saturation by 10% instead.


 13.1975, 6.7320,
3.8526


 13.1975, 6.7320,
3.8526


205.7917,
165.4179, 146.5727


 7.6426, 3.2951,
1.5448


 31.2565, 19.4320,
13.6684


 3.9170, 1.2877,
0.2510

 44.4912, 29.4639,
22.0134


 1.6553, 0.1316,
0.0000

 61.0167, 42.4628,
33.2080

 0.4280, 0.0000,
0.0000


 81.1982, 58.8133,
47.6707


 0.0000, 0.0000,
0.0000


 105.4011, 78.8996,
65.8199


 133.9907,

103.1062, 88.0743


 167.3325,
131.8175, 114.8524


 13.1975, 6.7320,
3.8526


 13.1975, 6.7320,
3.8526

 13.1971, 6.7318,
3.8508

 13.6128, 7.1719,
5.1958

 14.1992, 7.8764,
6.8351

 15.0173, 8.9627,
8.8028

 16.0919, 10.4770,
11.1183

 17.4445, 12.4590,
13.7992

■ 19.0944, 14.9437,
16.8618

■ 21.0588, 17.9628,
20.3213

■ 23.3538, 21.5452,
24.1921

■ 25.9941, 25.7181,
28.4875

Harmonies

Analogous

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



13.2608, 6.7320, 11.8616



13.1975, 6.7320, 3.8526



10.9950, 6.7320, 0.8683

Triad

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



13.1975, 6.7320, 3.8526



3.2355, 6.7320, 0.9472



5.1532, 6.7320, 35.2170

Complementary

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



13.1975, 6.7320, 3.8526



13.1122, 22.6949, 15.2504

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.



3.3036, 6.7320, 25.1509



13.1975, 6.7320, 3.8526



2.4388, 6.7320, 4.1304

Square

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



13.1975, 6.7320, 3.8526



5.0282, 6.7320, 0.0000



2.4593, 6.7320, 12.4453



7.9977, 6.7320, 34.9000

Rectangle

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



13.1975, 6.7320, 3.8526



8.9007, 6.7320, 0.0808



2.4593, 6.7320, 12.4453



4.4157, 6.7320, 32.7319

Sweetspot

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



13.1977, 6.7324, 3.8527



36.9378, 31.3494, 35.4721



10.4893, 4.7719, 29.2221



7.8822, 6.4787, 7.3323



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.



13.1977, 6.7324, 3.8527



23.2149, 11.8501, 6.3998



12.8746, 7.0779, 0.6883



5.8788, 5.8466, 6.4681



10.9594, 5.5888, 3.2675



0.1470, 0.0736, 0.1080

Inverse Universe

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



13.1977, 6.7324, 3.8527



23.2149, 11.8501, 6.3998



13.1598, 17.5112, 31.5403



5.8788, 5.8466, 6.4681



10.9594, 5.5888, 3.2675



0.1470, 0.0736, 0.1080

Previews

White Background



This preview shows how the XYZ color 13.1975, 6.7320, 3.8526 looks on a white background.

Color Contrast Check

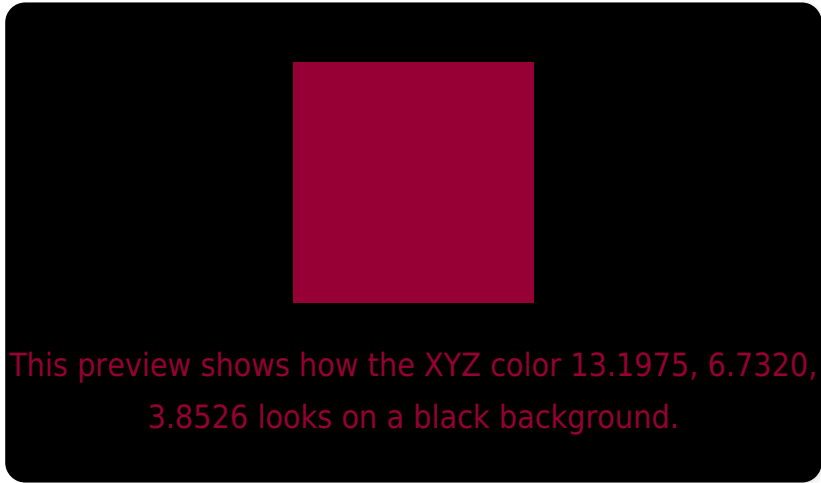
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1975, 6.7320, 3.8526

Background



This preview shows how black text looks on a background with the XYZ color 13.1975, 6.7320, 3.8526.



This preview shows how white text looks on a background with the XYZ color 13.1975, 6.7320,

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

13.1975, 6.7320, 3.8526

Protanopia

7.0308, 7.3104, 7.8780

Deuteranopia

7.3704, 7.2817, 3.4997



Tritanopia

12.7801, 6.9729, 1.2884

Trichromacy



Original Color

13.1975, 6.7320, 3.8526

Protanomaly

7.7790, 5.4622, 5.9545

Deuteranomaly

8.4499, 5.7448, 3.4598

Tritanomaly

12.7857, 6.7763, 1.9304

Monochromacy



Original Color

13.1975, 6.7320, 3.8526

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0445, 3.2983, 3.5027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1975, 6.7320, 3.8526 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, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 52)  
}
```

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, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 13.1975, 6.7320, 3.8526 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, 0, 52) }
```


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

```
.border{ border-color:rgb(150, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1975, 6.7320, 3.8526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 52) }
```

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

```
.background{ background-color: rgb(150, 0,  
52) }
```

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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