

Converting Colors

XYZ(12.1562, 4.7106, 0.0000)

Have a look what the booklet for
XYZ(12.1562, 4.7106, 0.0000)
contains.

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Color

**XYZ(13.3264, 6.8700,
0.6237)**

Conversions

Conversions Part 1

Format	Color
Hex	9A0000
RGB	154, 0, 0
RGB Percent	60%, 0%, 0%
CMY	0.3961, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.40
HSL	0°, 100%, 30%
HSV	0°, 100%, 60%
XYZ	13.3264, 6.8700, 0.6237
YIQ	46.0460, 91.7840, 32.6480

Conversions

Conversions Part 2

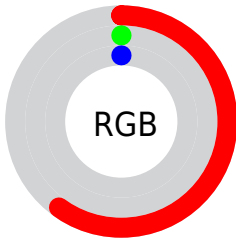
Format	Color
RYB	154, 0, 0
Decimal	10092544
CIELab	31.51, 54.97, 45.41
CIELCh	32, 71.300, 39.555
Yxy	6.8700, 0.6401, 0.3300
Android (android.graphics.Color)	4288282624 (0xFF9A0000)
YUV	46.0460, -22.7007, 94.6757
Hunter-Lab	26.2107, 44.8867, 16.9366

Details

The XYZ color **13.3264, 6.8700, 0.6237** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.3848, 25.4372, 34.5651**, and the grayscale version is **2.6190, 2.7554, 3.0007**.

A 20% lighter version of the original color is **31.5109, 19.7220, 4.8352**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.3265, 6.8704, 0.6237**, and if you desaturate by 10%, it is **13.5922, 7.2592, 1.1519**.

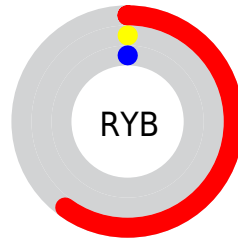
Distribution



Red (60%)

Green (0%)

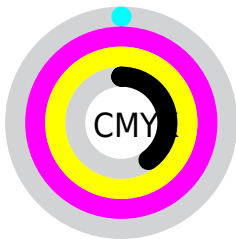
Blue (0%)



Red (60%)

Yellow (0%)

Blue (0%)

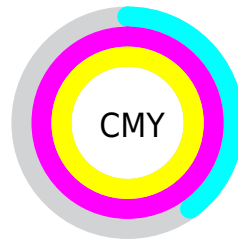


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3264, 6.8700, 0.6237 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 13.3264, 6.8700, 0.6237 by changing the saturation by 10% instead.


 13.3264, 6.8700,
0.6237


 13.3264, 6.8700,
0.6237


 206.5946,
166.5791, 95.8514


 7.7322, 3.3809,
0.0000


 31.4853, 19.7112,
4.8692


 3.9745, 1.3337,
0.0000

 44.7807, 29.8321,
9.3484


 1.6877, 0.1671,
0.0000

 61.3740, 42.9325,
15.9695

 0.4485, 0.0000,
0.0000

 81.6304, 59.3966,
25.1509


 0.0000, 0.0000,
0.0000


 105.9153, 79.6089,
37.3113


 134.5941,


103.9539, 52.8691

 168.0321,
132.8158, 72.2430


 13.3264, 6.8700,
0.6237


 13.3264, 6.8700,
0.6237


 13.3265, 6.8704,
0.6237

 13.5922, 7.2592,
1.1519

 14.0563, 7.9383,
2.0741

 14.8089, 9.0397,
3.5700

 15.8866, 10.6168,
5.7122

 17.3206, 12.7152,
8.5628

■ 19.1384, 15.3751,
12.1764

■ 21.3648, 18.6330,
16.6024

■ 24.0225, 22.5220,
21.8860

■ 27.1326, 27.0729,
28.0691

Harmonies

Analogous

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



15.8292, 6.8700, 4.6837



13.3264, 6.8700, 0.6237



9.2137, 6.8700, 0.0000

Triad

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



13.3264, 6.8700, 0.6237



1.9971, 6.8700, 2.5215



7.7286, 6.8700, 48.0074

Complementary

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



13.3264, 6.8700, 0.6237



17.3848, 25.4372, 34.5651

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.



4.4253, 6.8700, 44.7696



13.3264, 6.8700, 0.6237



1.8489, 6.8700, 11.2138

Square

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



13.3264, 6.8700, 0.6237



3.0782, 6.8700, 0.0000



2.5564, 6.8700, 28.0887



11.9074, 6.8700, 34.9091

Rectangle

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



13.3264, 6.8700, 0.6237



6.5828, 6.8700, 0.0000



2.5564, 6.8700, 28.0887



6.4769, 6.8700, 48.9473

Sweetspot

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



13.3265, 6.8704, 0.6238



38.5457, 33.4601, 29.6320



19.1590, 9.2031, 31.3381



8.3485, 7.0231, 5.9592



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.3265, 6.8704, 0.6238



24.2088, 12.4806, 1.1330



15.9802, 12.1778, 1.5083



6.2089, 6.2228, 6.4797



10.8576, 5.5976, 0.5082



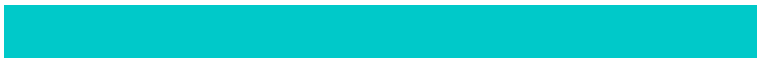
0.1623, 0.0837, 0.0076

Inverse Universe

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



17.3848, 25.4372, 34.5651



31.5810, 46.2090, 62.7910



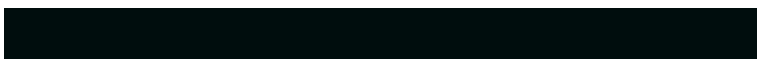
8.4866, 7.6409, 31.5991



6.3845, 7.0264, 7.9487



14.1640, 20.7246, 28.1614



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 13.3264, 6.8700, 0.6237 looks on a white background.

Color Contrast Check

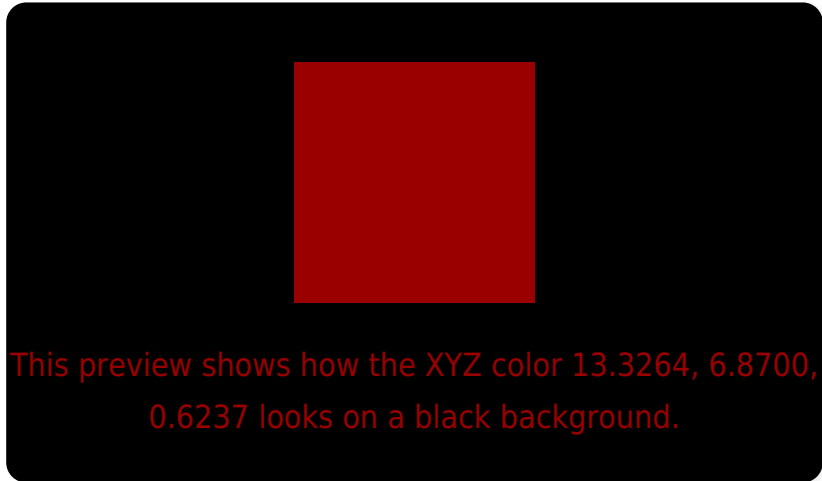
Large Text (above 18pt) WCAG AA ✓ Pass

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

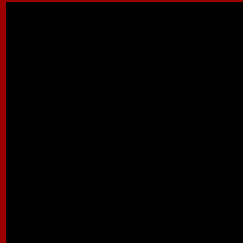
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3264, 6.8700, 0.6237

Background



This preview shows how black text looks on a background with the XYZ color 13.3264, 6.8700, 0.6237.



This preview shows how white text looks on a background with the XYZ color 13.3264, 6.8700,

0.6237.

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

13.3264, 6.8700, 0.6237

Protanopia

6.7811, 7.5255, 1.7570

Tritanopia

13.2939, 7.0864, 0.6671

Trichromacy



Original Color

13.3264, 6.8700, 0.6237

Protanomaly

7.7688, 5.6898, 1.0695

Tritanomaly

13.2346, 6.9677, 0.6474

Monochromacy



Original Color

13.3264, 6.8700, 0.6237

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.4074, 2.8987, 1.4896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3264, 6.8700, 0.6237 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(154, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 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(154, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3264, 6.8700, 0.6237 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(154, 0, 0) }
```

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

```
.border{ border-color:rgb(154, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(154, 0, 0); box-shadow:4px  
4px 4px 4px rgb(154, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 13.3264, 6.8700, 0.6237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 0) }
```

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

```
.background{ background-color: rgb(154, 0,  
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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