

Converting Colors

XYZ(12.8029, 5.2635, 4.8084)

Have a look what the booklet for
XYZ(12.8029, 5.2635, 4.8084)
contains.

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Color

**XYZ(13.6048, 6.9162,
5.0328)**

Conversions

Conversions Part 1

Format	Color
Hex	97003D
RGB	151, 0, 61
RGB Percent	59%, 0%, 24%
CMY	0.4078, 0.9999, 0.7608
CMYK	0.00, 1.00, 0.60, 0.41
HSL	336°, 100%, 30%
HSV	336°, 100%, 59%
XYZ	13.6048, 6.9162, 5.0328
YIQ	52.1030, 70.4150, 50.9830

Conversions

Conversions Part 2

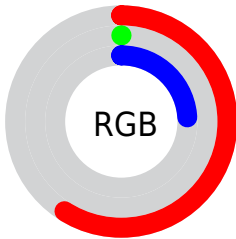
Format	Color
R_{YB}	151, 0, 61
Decimal	9895997
CIE Lab	31.62, 56.31, 10.32
CIE LCh	32, 57.249, 10.385
Yxy	6.9162, 0.5324, 0.2707
Android (android.graphics.Color)	4288086077 (0xFF97003D)
YUV	52.1030, 4.3862, 86.7327
Hunter-Lab	26.2987, 46.3188, 7.0627

Details

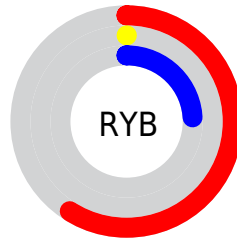
The XYZ color **13.6048, 6.9162, 5.0328** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.9131, 22.8718, 13.4111**, and the grayscale version is **3.2665, 3.4366, 3.7425**.

A 20% lighter version of the original color is **32.0195, 19.8292, 16.3272**, and **4.6317, 2.3742, 0.8302** is the 20% darker color. If you saturate the color by 10%, you get **13.6045, 6.9161, 5.0312**, and if you desaturate by 10%, it is **14.0405, 7.3665, 6.4764**.

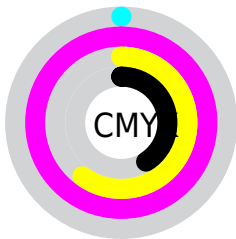
Distribution



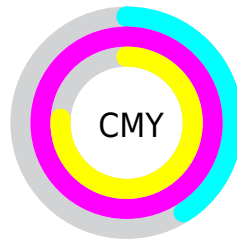
- Red (59%)
- Green (0%)
- Blue (24%)



- Red (59%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6048, 6.9162, 5.0328 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 13.6048, 6.9162, 5.0328 by changing the saturation by 10% instead.


 13.6048, 6.9162,
5.0328


 13.6048, 6.9162,
5.0328


208.3184,
166.9655, 159.0934

 7.9262, 3.4097,
2.2074


 31.9783, 19.8044,
16.3292


 4.0992, 1.3492,
0.6787

 45.4039, 29.9550,
25.6374


 1.7584, 0.1788,
0.0000

 62.1425, 43.0891,
37.9435

 0.4924, 0.0000,
0.0000

 82.5595, 59.5910,
53.6662

 0.0000, 0.0000,
0.0000

 107.0202, 79.8452,
73.2240

 135.8900,

104.2361, 97.0355

169.5343,
133.1481, 125.5191

13.6048, 6.9162,
5.0328

13.6048, 6.9162,
5.0328

13.6045, 6.9161,
5.0312

14.0405, 7.3665,
6.4764

14.6437, 8.0835,
8.1861

15.4747, 9.1851,
10.1906

16.5582, 10.7182,
12.5065

17.9157, 12.7229,
15.1487

■ 19.5659, 15.2344,
18.1310

■ 21.5261, 18.2849,
21.4662

■ 23.8121, 21.9037,
25.1664

■ 26.4384, 26.1180,
29.2430

Harmonies

Analogous

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



13.2361, 6.9162, 14.1541



13.6048, 6.9162, 5.0328



11.7171, 6.9162, 1.2405

Triad

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



13.6048, 6.9162, 5.0328



3.6148, 6.9162, 0.7622



4.8945, 6.9162, 34.2530

Complementary

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



13.6048, 6.9162, 5.0328



12.9131, 22.8718, 13.4111

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.



3.2107, 6.9162, 23.0445



13.6048, 6.9162, 5.0328



2.6342, 6.9162, 3.3833

Square

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



13.6048, 6.9162, 5.0328



5.6311, 6.9162, 0.0000



2.5116, 6.9162, 10.7422



7.6159, 6.9162, 36.0862

Rectangle

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



13.6048, 6.9162, 5.0328



9.6840, 6.9162, 0.3313



2.5116, 6.9162, 10.7422



4.2127, 6.9162, 31.2079

Sweetspot

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



13.6050, 6.9166, 5.0329



38.3191, 32.3824, 38.0586



9.6192, 4.3139, 29.6037



8.3875, 6.8569, 8.1096



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.



13.6050, 6.9166, 5.0329



24.2786, 12.3517, 8.5602



12.9014, 6.8571, 0.6441



6.3070, 6.2620, 6.9969



11.5871, 5.8891, 4.3509



0.1905, 0.0950, 0.1562

Inverse Universe

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



13.6050, 6.9166, 5.0329



24.2786, 12.3517, 8.5602



14.7347, 20.5316, 32.4644



6.3070, 6.2620, 6.9969



11.5871, 5.8891, 4.3509



0.1905, 0.0950, 0.1562

Previews

White Background



This preview shows how the XYZ color 13.6048, 6.9162, 5.0328 looks on a white background.

Color Contrast Check

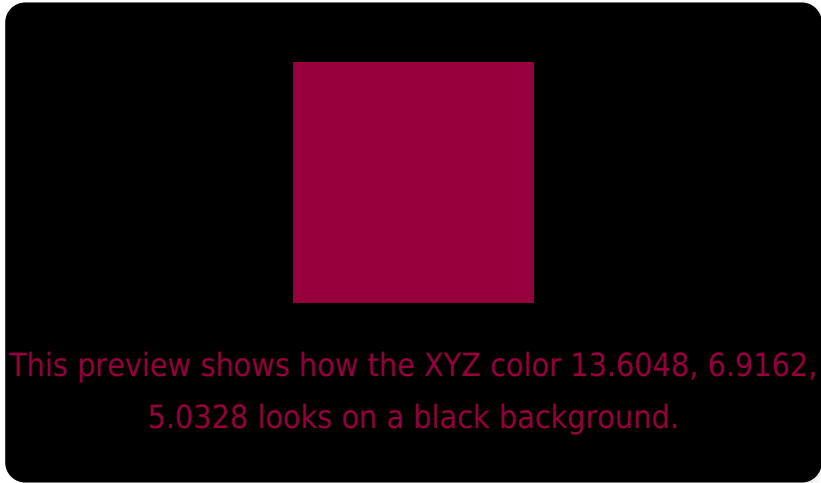
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6048, 6.9162, 5.0328

Background



This preview shows how black text looks on a background with the XYZ color 13.6048, 6.9162, 5.0328.



This preview shows how white text looks on a background with the XYZ color 13.6048, 6.9162,

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

13.6048, 6.9162, 5.0328

Protanopia

7.4375, 7.5655, 10.5195

Deuteranopia

7.5520, 7.4487, 4.6541



Tritanopia

13.0590, 7.1992, 1.5119

Trichromacy



Original Color

13.6048, 6.9162, 5.0328

Protanomaly

8.1031, 5.6447, 8.0596

Deuteranomaly

8.5651, 5.8391, 4.5465

Tritanomaly

13.0824, 6.9592, 2.4040

Monochromacy



Original Color

13.6048, 6.9162, 5.0328

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2579, 3.4383, 4.0010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6048, 6.9162, 5.0328 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(151, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 61)  
}
```

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(151, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.6048, 6.9162, 5.0328 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(151, 0, 61) }
```


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

```
.border{ border-color:rgb(151, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(151, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6048, 6.9162, 5.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 61) }
```

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

```
.background{ background-color: rgb(151, 0,  
61) }
```

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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