

Converting Colors

XYZ(12.7425, 6.5500, 1.4568)

Have a look what the booklet for
XYZ(12.7425, 6.5500, 1.4568)
contains.

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Color

**XYZ(12.7425, 6.5500,
1.4568)**

Conversions

Conversions Part 1

Format	Color
Hex	960018
RGB	150, 0, 24
RGB Percent	59%, 0%, 9%
CMY	0.4118, 0.9999, 0.9059
CMYK	0.00, 1.00, 0.84, 0.41
HSL	350°, 100%, 29%
HSV	350°, 100%, 59%
XYZ	12.7425, 6.5500, 1.4568
YIQ	47.5860, 81.6960, 39.2640

Conversions

Conversions Part 2

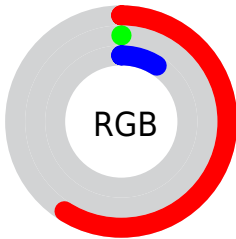
Format	Color
R_{YB}	150, 0, 24
Decimal	9830424
CIE _{Lab}	30.76, 54.35, 33.14
CIE _{LCh}	31, 63.659, 31.372
Yxy	6.5500, 0.6141, 0.3157
Android (android.graphics.Color)	4288020504 (0xFF960018)
YUV	47.5860, -11.6279, 89.8171
Hunter-Lab	25.5930, 44.0858, 14.5402

Details

The XYZ color **12.7425, 6.5500, 1.4568** is a dark color, and the websafe version is hex **990000**, and the color name is **carmine**. A complement of this color would be **14.6739, 23.3195, 23.4744**, and the grayscale version is **2.7719, 2.9163, 3.1758**.

A 20% lighter version of the original color is **30.5121, 19.0491, 7.5375**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.7422, 6.5498, 1.4557**, and if you desaturate by 10%, it is **13.0764, 6.9574, 2.3714**.

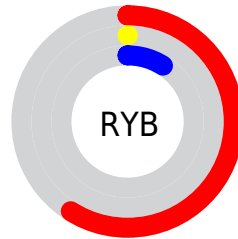
Distribution



Red (59%)

Green (0%)

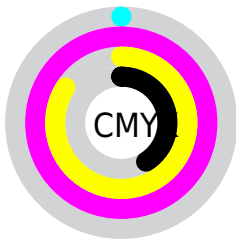
Blue (9%)



Red (59%)

Yellow (0%)

Blue (9%)

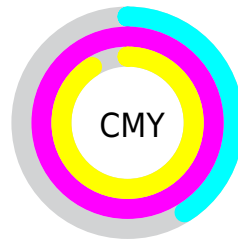


Cyan (0%)

Magenta (100%)

Yellow (84%)

Black (41%)



Cyan (41%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7425, 6.5500, 1.4568 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 12.7425, 6.5500, 1.4568 by changing the saturation by 10% instead.


 12.7425, 6.5500,
1.4568


 12.7425, 6.5500,
1.4568


202.9319,
163.8704, 113.2726


 7.3272, 3.1823,
0.1854


 30.4457, 19.0620,
7.4941


 3.7157, 1.2276,
0.0000

 43.4643, 28.9752,
13.2880


 1.5426, 0.0841,
0.0000

 59.7481, 41.8389,
21.4901

 0.3545, 0.0000,
0.0000


 79.6624, 58.0376,
32.5189

 0.0000, 0.0000,
0.0000

 103.5725, 77.9557,
46.7930


 131.8439,


101.9776, 64.7310


 164.8419,
130.4877, 86.7513


 12.7425, 6.5500,
1.4568


 12.7425, 6.5500,
1.4568


 12.7422, 6.5498,
1.4557

 13.0764, 6.9574,
2.3714

 13.6011, 7.6372,
3.6856

 14.3810, 8.7082,
5.4524

 15.4444, 10.2181,
7.7091

 16.8159, 12.2076,
10.4889

■ 18.5172, 14.7129,
13.8222

■ 20.5680, 17.7665,
17.7369

■ 22.9867, 21.3985,
22.2591

■ 25.7901, 25.6366,
27.4133

Harmonies

Analogous

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



14.1810, 6.5500, 6.7350



12.7425, 6.5500, 1.4568



9.5012, 6.5500, 0.0000

Triad

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



12.7425, 6.5500, 1.4568



2.3506, 6.5500, 1.7135



6.3679, 6.5500, 40.8618

Complementary

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



12.7425, 6.5500, 1.4568



14.6739, 23.3195, 23.4744

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.



3.8054, 6.5500, 34.6128



12.7425, 6.5500, 1.4568



1.9944, 6.5500, 7.5440

Square

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



12.7425, 6.5500, 1.4568



3.6319, 6.5500, 0.0000



2.4251, 6.5500, 20.0375



9.8292, 6.5500, 33.4664

Rectangle

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



12.7425, 6.5500, 1.4568



7.1532, 6.5500, 0.0000



2.4251, 6.5500, 20.0375



5.3819, 6.5500, 40.2680

Sweetspot

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



12.7426, 6.5504, 1.4569



36.0605, 30.9985, 30.8524



13.9631, 6.5627, 29.3846



7.6736, 6.3953, 6.2339



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.



12.7426, 6.5504, 1.4569



22.4439, 11.5417, 2.3399



13.7189, 8.7666, 0.9697



5.8364, 5.8296, 6.2445



10.5766, 5.4357, 1.2515



0.1366, 0.0694, 0.0530

Inverse Universe

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



12.7426, 6.5504, 1.4569



22.4439, 11.5417, 2.3399



10.0631, 11.3179, 30.5080



5.8364, 5.8296, 6.2445



10.5766, 5.4357, 1.2515



0.1366, 0.0694, 0.0530

Previews

White Background



This preview shows how the XYZ color 12.7425, 6.5500, 1.4568 looks on a white background.

Color Contrast Check

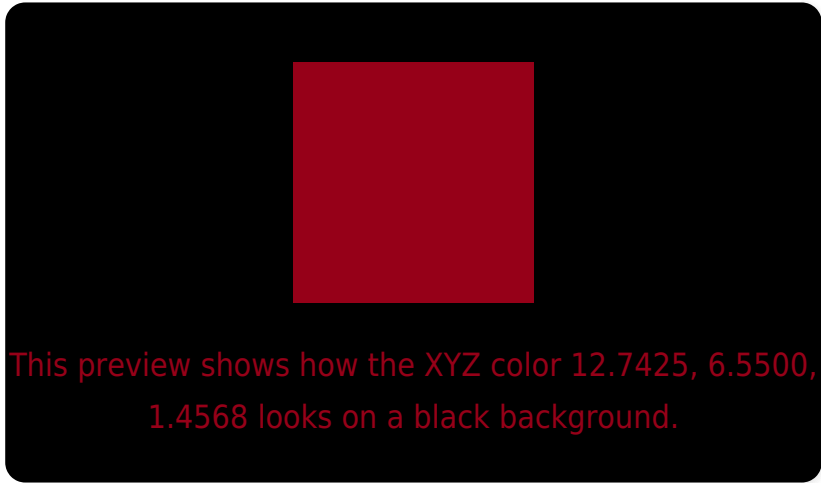
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7425, 6.5500, 1.4568

Background



This preview shows how black text looks on a background with the XYZ color 12.7425, 6.5500, 1.4568.



This preview shows how white text looks on a background with the XYZ color 12.7425, 6.5500,

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

12.7425, 6.5500, 1.4568

Protanopia

6.6068, 7.2002, 2.9610

Deuteranopia

7.1577, 7.1281, 1.0848



Tritanopia

12.5383, 6.6774, 0.6280

Trichromacy



Original Color

12.7425, 6.5500, 1.4568

Protanomaly

7.5300, 5.4175, 2.1622

Deuteranomaly

8.2399, 5.6912, 0.9808

Tritanomaly

12.5306, 6.5830, 0.8686

Monochromacy



Original Color

12.7425, 6.5500, 1.4568

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.6025, 3.0578, 2.2671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7425, 6.5500, 1.4568 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 12.7425, 6.5500, 1.4568 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, 24) }
```


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

```
.border{ border-color:rgb(150, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7425, 6.5500, 1.4568 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, 24) }
```

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

```
.background{ background-color: rgb(150, 0,  
24) }
```

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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