

Converting Colors

XYZ(12.5331, 6.2675, 9.3324)

Have a look what the booklet for
XYZ(12.5331, 6.2675, 9.3324)
contains.

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Color

**XYZ(12.4949, 6.2473,
9.3514)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0056
RGB	140, 0, 86
RGB Percent	55%, 0%, 34%
CMY	0.4510, 0.9999, 0.6627
CMYK	0.00, 1.00, 0.39, 0.45
HSL	323°, 100%, 27%
HSV	323°, 100%, 55%
XYZ	12.4949, 6.2473, 9.3514
YIQ	51.6640, 55.8340, 56.4260

Conversions

Conversions Part 2

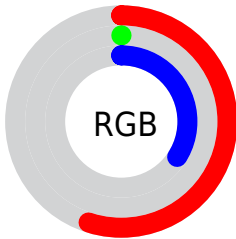
Format	Color
R_{YB}	140, 0, 86
Decimal	9175126
CIE Lab	30.03, 55.84, -8.88
CIE LCh	30, 56.540, 350.962
Yxy	6.2473, 0.4448, 0.2224
Android (android.graphics.Color)	4287365206 (0xFF8C0056)
YUV	51.6640, 16.9276, 77.4707
Hunter-Lab	24.9946, 45.4923, -4.6864

Details

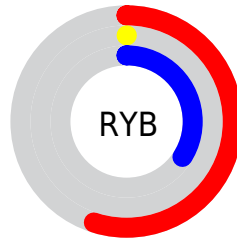
The XYZ color **12.4949, 6.2473, 9.3514** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.0445, 19.0227, 6.6342**, and the grayscale version is **3.2013, 3.3681, 3.6678**.

A 20% lighter version of the original color is **30.0500, 18.4181, 25.2638**, and **4.0564, 2.0449, 2.2787** is the 20% darker color. If you saturate the color by 10%, you get **12.4947, 6.2472, 9.3502**, and if you desaturate by 10%, it is **12.8781, 6.6522, 10.5937**.

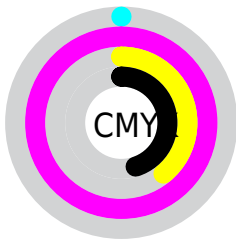
Distribution



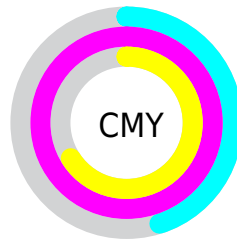
- Red (55%)
- Green (0%)
- Blue (34%)



- Red (55%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (45%)





- Cyan (45%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4949, 6.2473, 9.3514 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 12.4949, 6.2473, 9.3514 by changing the saturation by 10% instead.


 12.4949, 6.2473,
9.3514


 12.4949, 6.2473,
9.3514


201.3584,
161.2542, 196.2917


 7.1563, 2.9960,
4.8712


 30.0024, 18.4421,
25.1566


 3.6072, 1.1297,
2.1145

 42.9020, 28.1544,
37.3187


 1.4824, 0.0031,
0.6243

 59.0526, 40.7892,
52.8785

 0.3138, 0.0000,
0.0000


 78.8196, 56.7309,
72.2545


 0.0000, 0.0000,
0.0000


 102.5683, 76.3638,
95.8653


 130.6641,


100.0724, 124.1294


 163.4723,
128.2411, 157.4653


 12.4949, 6.2473,
9.3514


 12.4949, 6.2473,
9.3514


 12.4947, 6.2472,
9.3502

 12.8781, 6.6522,
10.5937

 13.3792, 7.2660,
11.9581

 14.0520, 8.1958,
13.4642

 14.9158, 9.4795,
15.1203

 15.9871, 11.1500,
16.9332

■ 17.2807, 13.2360,
18.9096

■ 18.8100, 15.7639,
21.0552

■ 20.5871, 18.7575,
23.3758

■ 22.6234, 22.2392,
25.8764

Harmonies

Analogous

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



10.8183, 6.2473, 20.6834



12.4949, 6.2473, 9.3514



12.0520, 6.2473, 2.8140

Triad

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



12.4949, 6.2473, 9.3514



4.3006, 6.2473, 0.0000



3.2800, 6.2473, 25.4972

Complementary

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



12.4949, 6.2473, 9.3514



10.0445, 19.0227, 6.6342

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.



2.3469, 6.2473, 13.4419



12.4949, 6.2473, 9.3514



2.8032, 6.2473, 1.1395

Square

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



12.4949, 6.2473, 9.3514



6.7716, 6.2473, 0.0000



2.2030, 6.2473, 4.7644



5.1755, 6.2473, 33.6333

Rectangle

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



12.4949, 6.2473, 9.3514



10.6557, 6.2473, 1.0296



2.2030, 6.2473, 4.7644



2.8701, 6.2473, 21.4781

Sweetspot

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



12.4951, 6.2477, 9.3515



32.9767, 27.4817, 36.8690



6.2378, 2.6691, 24.9973



7.3581, 5.9328, 8.1643



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.4951, 6.2477, 9.3515



21.9486, 10.9821, 16.0623



10.9115, 5.6142, 1.0125



5.1534, 5.0968, 5.8965



11.1119, 5.5549, 8.3597



0.0810, 0.0398, 0.0934

Inverse Universe

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



12.4951, 6.2477, 9.3515



21.9486, 10.9821, 16.0623



12.9954, 20.2031, 22.1737



5.1534, 5.0968, 5.8965



11.1119, 5.5549, 8.3597



0.0810, 0.0398, 0.0934

Previews

White Background



This preview shows how the XYZ color 12.4949, 6.2473, 9.3514 looks on a white background.

Color Contrast Check

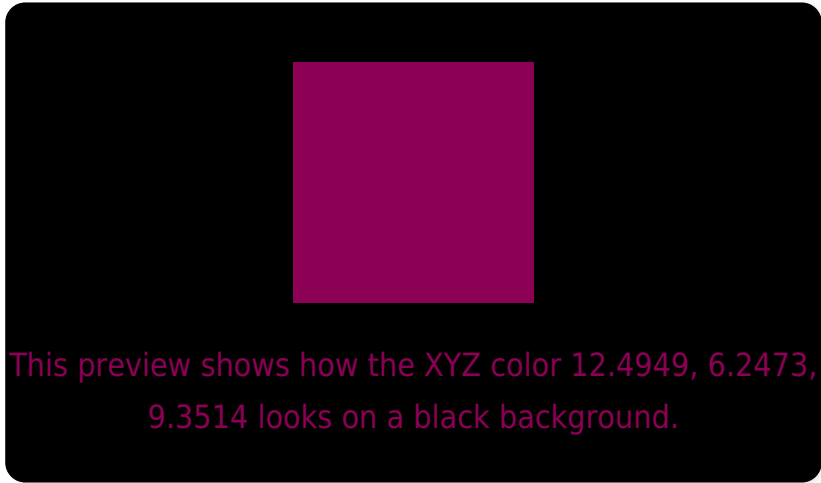
Large Text (above 18pt) WCAG AA ✓ Pass

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

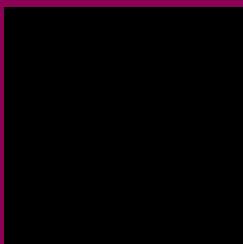
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4949, 6.2473, 9.3514

Background



This preview shows how black text looks on a background with the XYZ color 12.4949, 6.2473, 9.3514.



This preview shows how white text looks on a background with the XYZ color 12.4949, 6.2473,

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

12.4949, 6.2473, 9.3514

Protanopia

7.3607, 6.8217, 19.6677

Deuteranopia

6.9898, 6.8762, 8.5483



Tritanopia

11.1919, 6.5838, 2.2710

Trichromacy



Original Color

12.4949, 6.2473, 9.3514

Protanomaly

7.5378, 5.0111, 15.3218

Deuteranomaly

7.8668, 5.3299, 8.5968

Tritanomaly

11.4340, 6.2434, 4.0925

Monochromacy



Original Color

12.4949, 6.2473, 9.3514

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1254, 3.3427, 5.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4949, 6.2473, 9.3514 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(140, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 86)  
}
```

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(140, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.4949, 6.2473, 9.3514 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(140, 0, 86) }
```


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

```
.border{ border-color:rgb(140, 0, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4949, 6.2473, 9.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 86) }
```

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

```
.background{ background-color: rgb(140, 0,  
86) }
```

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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