

Converting Colors

XYZ(12.7279, 6.5233, 2.3387)

Have a look what the booklet for
XYZ(12.7279, 6.5233, 2.3387)
contains.

XYZ(12.7284, 6.5231, 2.3385)	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(12.7284, 6.5231,
2.3385)**

Conversions

Conversions Part 1

Format	Color
Hex	950025
RGB	149, 0, 37
RGB Percent	58%, 0%, 15%
CMY	0.4157, 0.9999, 0.8549
CMYK	0.00, 1.00, 0.75, 0.42
HSL	345°, 100%, 29%
HSV	345°, 100%, 58%
XYZ	12.7284, 6.5231, 2.3385
YIQ	48.7690, 76.9270, 43.0950

Conversions

Conversions Part 2

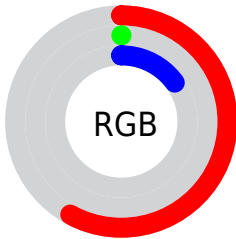
Format	Color
R_YB	149, 0, 37
Decimal	9764901
CIE Lab	30.70, 54.53, 24.92
CIE LCh	31, 59.957, 24.555
Yxy	6.5231, 0.5896, 0.3021
Android (android.graphics.Color)	4287954981 (0xFF950025)
YUV	48.7690, -5.8021, 87.9026
Hunter-Lab	25.5404, 44.2624, 12.4496

Details

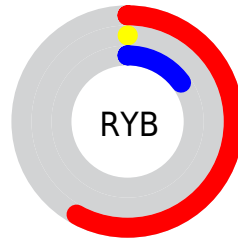
The XYZ color **12.7284, 6.5231, 2.3385** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.6732, 22.6652, 18.9884**, and the grayscale version is **2.8950, 3.0457, 3.3168**.

A 20% lighter version of the original color is **30.4461, 19.0608, 9.8590**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.7281, 6.5230, 2.3374**, and if you desaturate by 10%, it is **13.1018, 6.9440, 3.4680**.

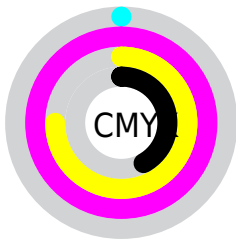
Distribution



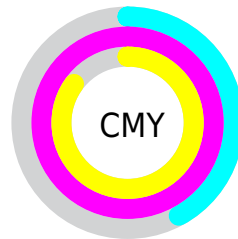
- Red (58%)
- Green (0%)
- Blue (15%)



- Red (58%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7284, 6.5231, 2.3385 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 12.7284, 6.5231, 2.3385 by changing the saturation by 10% instead.

 12.7284, 6.5231,
2.3385


 12.7284, 6.5231,
2.3385


202.8426,
163.6401, 127.4295


 7.3175, 3.1657,
0.7527


 30.4205, 19.0072,
9.9471


 3.7095, 1.2188,
0.0000

 43.4323, 28.9026,
16.8221


 1.5392, 0.0770,
0.0000

 59.7085, 41.7462,
26.3023

 0.3522, 0.0000,
0.0000


 79.6145, 57.9224,
38.8062

 0.0000, 0.0000,
0.0000

 103.5155, 77.8154,
54.7523


 131.7770,


101.8098, 74.5592


 164.7642,
130.2899, 98.6454


 12.7284, 6.5231,
2.3385


 12.7284, 6.5231,
2.3385


 12.7281, 6.5230,
2.3374

 13.1018, 6.9440,
3.4680

 13.6540, 7.6289,
4.9455

 14.4467, 8.6947,
6.8117

 15.5059, 10.1876,
9.0930

 16.8540, 12.1469,
11.8138

■ 18.5109, 14.6077,
14.9961

■ 20.4949, 17.6015,
18.6606

■ 22.8226, 21.1572,
22.8267

■ 25.5096, 25.3018,
27.5126

Harmonies

Analogous

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



13.5130, 6.5231, 8.7171



12.7284, 6.5231, 2.3385



10.0002, 6.5231, 0.2851

Triad

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



12.7284, 6.5231, 2.3385



2.6930, 6.5231, 1.3024



5.6890, 6.5231, 37.5040

Complementary

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



12.7284, 6.5231, 2.3385



13.6732, 22.6652, 18.9884

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.



3.5100, 6.5231, 29.4592



12.7284, 6.5231, 2.3385



2.1583, 6.5231, 5.7008

Square

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



12.7284, 6.5231, 2.3385



4.1707, 6.5231, 0.0000



2.4025, 6.5231, 15.9483



8.7994, 6.5231, 33.5195

Rectangle

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



12.7284, 6.5231, 2.3385



7.7957, 6.5231, 0.0000



2.4025, 6.5231, 15.9483



4.8384, 6.5231, 36.0039

Sweetspot

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



12.7285, 6.5235, 2.3386



36.4657, 31.1606, 32.9859



12.0759, 5.5990, 28.8780



7.7695, 6.4337, 6.7391



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.



12.7285, 6.5235, 2.3386



22.7326, 11.6572, 3.8599



13.0643, 7.7292, 0.8038



5.8563, 5.8376, 6.3497



10.7230, 5.4943, 2.0225



0.1416, 0.0714, 0.0790

Inverse Universe

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



12.7285, 6.5235, 2.3386



22.7326, 11.6572, 3.8599



11.1921, 13.7042, 30.4891



5.8563, 5.8376, 6.3497



10.7230, 5.4943, 2.0225



0.1416, 0.0714, 0.0790

Previews

White Background



This preview shows how the XYZ color 12.7284, 6.5231, 2.3385 looks on a white background.

Color Contrast Check

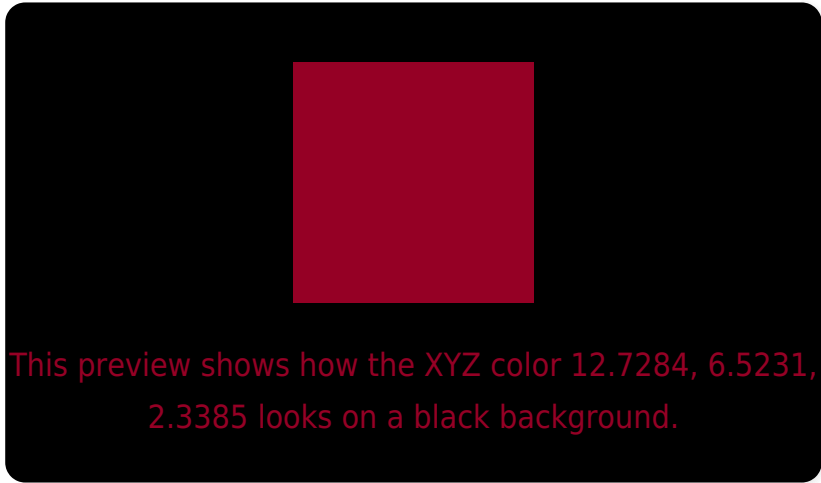
Large Text (above 18pt) WCAG AA ✓ Pass

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

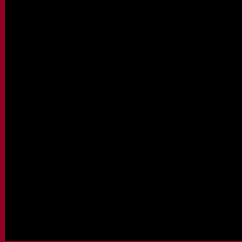
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7284, 6.5231, 2.3385

Background



This preview shows how black text looks on a background with the XYZ color 12.7284, 6.5231, 2.3385.



This preview shows how white text looks on a background with the XYZ color 12.7284, 6.5231,

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

12.7284, 6.5231, 2.3385

Protanopia

6.6916, 7.2037, 4.7792

Deuteranopia

7.1552, 7.1031, 2.1563



Tritanopia

12.6200, 6.7531, 0.9255

Trichromacy



Original Color

12.7284, 6.5231, 2.3385

Protanomaly

7.5552, 5.3998, 3.5498

Deuteranomaly

8.1771, 5.6357, 2.0233

Tritanomaly

12.6292, 6.6572, 1.2811

Monochromacy



Original Color

12.7284, 6.5231, 2.3385

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7100, 3.1007, 2.8329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7284, 6.5231, 2.3385 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(149, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 37)  
}
```

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(149, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.7284, 6.5231, 2.3385 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(149, 0, 37) }
```


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

```
.border{ border-color:rgb(149, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(149, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7284, 6.5231, 2.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 37) }
```

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

```
.background{ background-color: rgb(149, 0,  
37) }
```

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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