

Converting Colors

XYZ(11.5289, 4.2935, 3.4888)

Have a look what the booklet for
XYZ(11.5289, 4.2935, 3.4888)
contains.

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Color

**XYZ(12.6525, 6.4510,
3.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	930034
RGB	147, 0, 52
RGB Percent	58%, 0%, 20%
CMY	0.4235, 0.9999, 0.7961
CMYK	0.00, 1.00, 0.65, 0.42
HSL	339°, 100%, 29%
HSV	339°, 100%, 58%
XYZ	12.6525, 6.4510, 3.8271
YIQ	49.8810, 70.9200, 47.3360

Conversions

Conversions Part 2

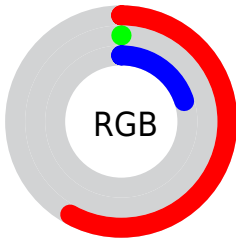
Format	Color
R_{YB}	147, 0, 52
Decimal	9633844
CIE Lab	30.52, 54.77, 14.70
CIE LCh	31, 56.707, 15.022
Yxy	6.4510, 0.5518, 0.2813
Android (android.graphics.Color)	4287823924 (0xFF930034)
YUV	49.8810, 1.0447, 85.1734
Hunter-Lab	25.3988, 44.4724, 8.8453

Details

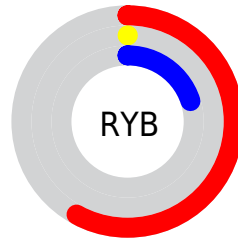
The XYZ color **12.6525, 6.4510, 3.8271** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.5004, 21.6941, 14.3597**, and the grayscale version is **3.0126, 3.1695, 3.4516**.

A 20% lighter version of the original color is **30.3193, 18.9123, 13.6077**, and **4.1582, 2.1392, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **12.6521, 6.4509, 3.8256**, and if you desaturate by 10%, it is **13.0554, 6.8792, 5.1257**.

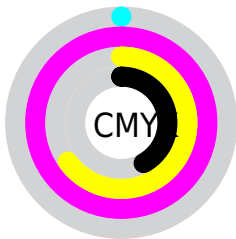
Distribution



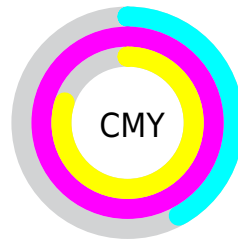
- Red (58%)
- Green (0%)
- Blue (20%)



- Red (58%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6525, 6.4510, 3.8271 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 12.6525, 6.4510, 3.8271 by changing the saturation by 10% instead.

12.6525, 6.4510,
3.8271

12.6525, 6.4510,
3.8271

202.3614,
163.0207, 146.2838

7.2650, 3.1212,
1.5310

30.2847, 18.8599,
13.6090

3.6762, 1.1953,
0.2408

43.2602, 28.7079,
21.9319

1.5206, 0.0579,
0.0000

59.4957, 41.4973,
33.1007

0.3398, 0.0000,
0.0000

79.3566, 57.6126,
47.5341

0.0000, 0.0000,
0.0000

103.2083, 77.4382,
65.6505

131.4160,

101.3585, 87.8686

164.3453,
129.7579, 114.6068

12.6525, 6.4510,
3.8271

12.6525, 6.4510,
3.8271

12.6521, 6.4509,
3.8256

13.0554, 6.8792,
5.1257

13.6197, 7.5575,
6.7026

14.4044, 8.6000,
8.5882

15.4330, 10.0507,
10.8006

16.7259, 11.9473,
13.3562

■ 18.3011, 14.3229,
16.2702

■ 20.1752, 17.2077,
19.5566

■ 22.3633, 20.6293,
23.2288

■ 24.8794, 24.6133,
27.2993

Harmonies

Analogous

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



12.6542, 6.4510, 11.6205



12.6525, 6.4510, 3.8271



10.5921, 6.4510, 0.8748

Triad

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



12.6525, 6.4510, 3.8271



3.1389, 6.4510, 0.8769



4.8830, 6.4510, 33.4811

Complementary

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



12.6525, 6.4510, 3.8271



12.5004, 21.6941, 14.3597

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.



3.1407, 6.4510, 23.7106



12.6525, 6.4510, 3.8271



2.3542, 6.4510, 3.8345

Square

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



12.6525, 6.4510, 3.8271



4.8796, 6.4510, 0.0000



2.3548, 6.4510, 11.6361



7.5810, 6.4510, 33.4726

Rectangle

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



12.6525, 6.4510, 3.8271



8.6007, 6.4510, 0.0855



2.3548, 6.4510, 11.6361



4.1868, 6.4510, 31.0306

Sweetspot

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



12.6527, 6.4514, 3.8272



35.9032, 30.4631, 34.6320



9.7917, 4.4398, 27.9446



7.8906, 6.4821, 7.3764



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.



12.6527, 6.4514, 3.8272



22.5811, 11.5217, 6.4446



12.2762, 6.6900, 0.6448



5.8805, 5.8473, 6.4767



10.9797, 5.5969, 3.3741



0.1474, 0.0737, 0.1100

Inverse Universe

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



12.6527, 6.4514, 3.8272



22.5811, 11.5217, 6.4446



12.9082, 17.3896, 30.2799



5.8805, 5.8473, 6.4767



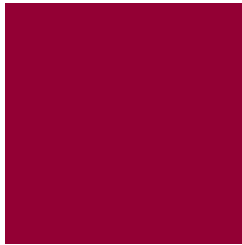
10.9797, 5.5969, 3.3741



0.1474, 0.0737, 0.1100

Previews

White Background



This preview shows how the XYZ color 12.6525, 6.4510, 3.8271 looks on a white background.

Color Contrast Check

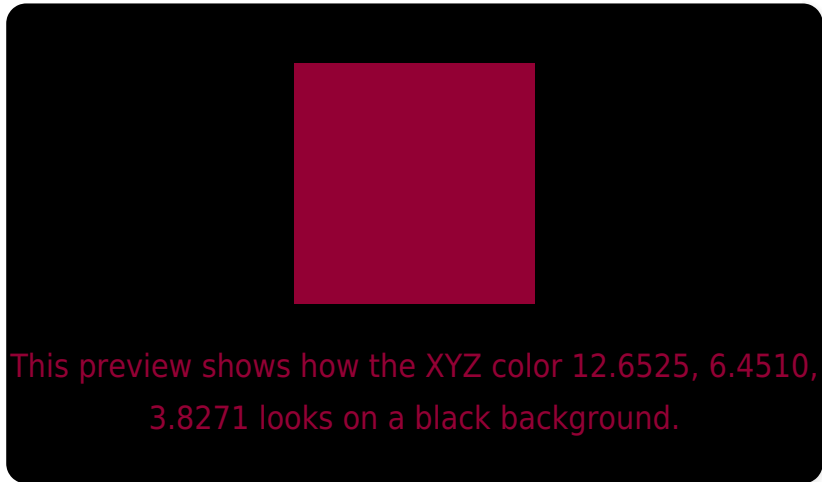
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6525, 6.4510, 3.8271

Background



This preview shows how black text looks on a background with the XYZ color 12.6525, 6.4510, 3.8271.



This preview shows how white text looks on a background with the XYZ color 12.6525, 6.4510,

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

12.6525, 6.4510, 3.8271

Protanopia

6.8011, 7.0905, 7.8476

Deuteranopia

7.1054, 7.0483, 3.4686



Tritanopia

12.2398, 6.6943, 1.2631

Trichromacy



Original Color

12.6525, 6.4510, 3.8271

Protanomaly

7.5496, 5.3439, 5.9438

Deuteranomaly

8.0660, 5.5469, 3.4418

Tritanomaly

12.2453, 6.4978, 1.9051

Monochromacy



Original Color

12.6525, 6.4510, 3.8271

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8604, 3.2033, 3.4941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6525, 6.4510, 3.8271 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(147, 0, 52)` looks like.

```
.text, #text, p{  
  color:rgb(147, 0, 52)  
}
```

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(147, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 12.6525, 6.4510, 3.8271 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(147, 0, 52) }
```


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

```
.border{ border-color:rgb(147, 0, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(147, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6525, 6.4510, 3.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 52) }
```

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

```
.background{ background-color: rgb(147, 0,  
52) }
```

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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