

Converting Colors

XYZ(12.5709, 6.3778, 5.2492)

Have a look what the booklet for
XYZ(12.5709, 6.3778, 5.2492)
contains.

XYZ(12.5743, 6.3786, 5.2711)	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(12.5743, 6.3786,
5.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	91003F
RGB	145, 0, 63
RGB Percent	57%, 0%, 25%
CMY	0.4314, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.57, 0.43
HSL	334°, 100%, 28%
HSV	334°, 100%, 57%
XYZ	12.5743, 6.3786, 5.2711
YIQ	50.5370, 66.1970, 50.3330

Conversions

Conversions Part 2

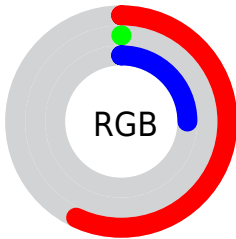
Format	Color
R_{YB}	145, 0, 63
Decimal	9502783
CIE _{Lab}	30.35, 55.00, 7.02
CIE _{LCh}	30, 55.441, 7.274
Yxy	6.3786, 0.5191, 0.2633
Android (android.graphics.Color)	4287692863 (0xFF91003F)
YUV	50.5370, 6.1443, 82.8441
Hunter-Lab	25.2559, 44.6730, 5.3048

Details

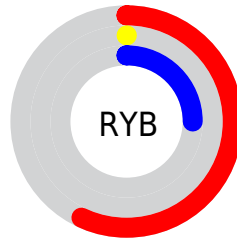
The XYZ color **12.5743, 6.3786, 5.2711** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.6492, 20.8604, 11.3983**, and the grayscale version is **3.0819, 3.2424, 3.5310**.

A 20% lighter version of the original color is **30.0989, 18.7282, 16.7804**, and **4.0658, 2.0804, 0.8967** is the 20% darker color. If you saturate the color by 10%, you get **12.5740, 6.3785, 5.2698**, and if you desaturate by 10%, it is **12.9849, 6.8054, 6.6243**.

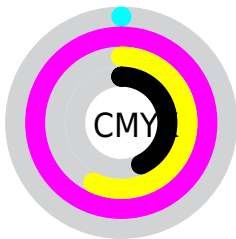
Distribution



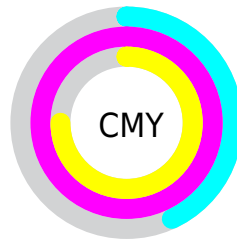
- Red (57%)
- Green (0%)
- Blue (25%)



- Red (57%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5743, 6.3786, 5.2711 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 12.5743, 6.3786, 5.2711 by changing the saturation by 10% instead.

12.5743, 6.3786,
5.2711

12.5743, 6.3786,
5.2711

201.8643,
162.3957, 161.4507

7.2110, 3.0766,
2.3457

30.1447, 18.7117,
16.8489

3.6419, 1.1719,
0.7566

43.0826, 28.5117,
26.3383

1.5016, 0.0386,
0.0000

59.2760, 41.2464,
38.8528

0.3269, 0.0000,
0.0000


79.0904, 57.3003,
54.8110

0.0000, 0.0000,
0.0000

102.8911, 77.0578,
74.6313


131.0434,


100.9033, 98.7324


 163.9127,
129.2211, 127.5326

 12.5743, 6.3786,
5.2711

 12.5743, 6.3786,
5.2711

 12.5740, 6.3785,
5.2698

 12.9849, 6.8054,
6.6243

 13.5428, 7.4697,
8.2021

 14.3049, 8.4833,
10.0300

 15.2932, 9.8884,
12.1217

 16.5269, 11.7211,
14.4893

■ 18.0227, 14.0132,
17.1443

■ 19.7959, 16.7936,
20.0971

■ 21.8607, 20.0888,
23.3577

■ 24.2302, 23.9233,
26.9355

Harmonies

Analogous

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



12.0116, 6.3786, 14.1605



12.5743, 6.3786, 5.2711



11.0315, 6.3786, 1.3539

Triad

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



12.5743, 6.3786, 5.2711



3.4908, 6.3786, 0.5738



4.3143, 6.3786, 30.6307

Complementary

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



12.5743, 6.3786, 5.2711



11.6492, 20.8604, 11.3983

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.



2.8678, 6.3786, 19.8935



12.5743, 6.3786, 5.2711



2.4971, 6.3786, 2.7237

Square

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



12.5743, 6.3786, 5.2711



5.4458, 6.3786, 0.0000



2.3076, 6.3786, 8.9408



6.7244, 6.3786, 33.4167

Rectangle

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



12.5743, 6.3786, 5.2711



9.2214, 6.3786, 0.3974



2.3076, 6.3786, 8.9408



3.7228, 6.3786, 27.5849

Sweetspot

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



12.5745, 6.3790, 5.2712



35.2341, 29.7309, 35.6380



8.3988, 3.7396, 27.0673



7.5629, 6.1802, 7.4760



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.5745, 6.3790, 5.2712



22.4340, 11.3893, 8.9937



11.7560, 6.1775, 0.5732



5.5001, 5.4606, 6.1314



10.7978, 5.4761, 4.5865



0.1140, 0.0566, 0.1004

Inverse Universe

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



12.5745, 6.3790, 5.2712



22.4340, 11.3893, 8.9937



14.1638, 20.1500, 29.9309



5.5001, 5.4606, 6.1314



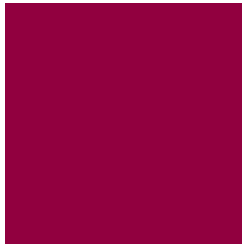
10.7978, 5.4761, 4.5865



0.1140, 0.0566, 0.1004

Previews

White Background



This preview shows how the XYZ color 12.5743, 6.3786, 5.2711 looks on a white background.

Color Contrast Check

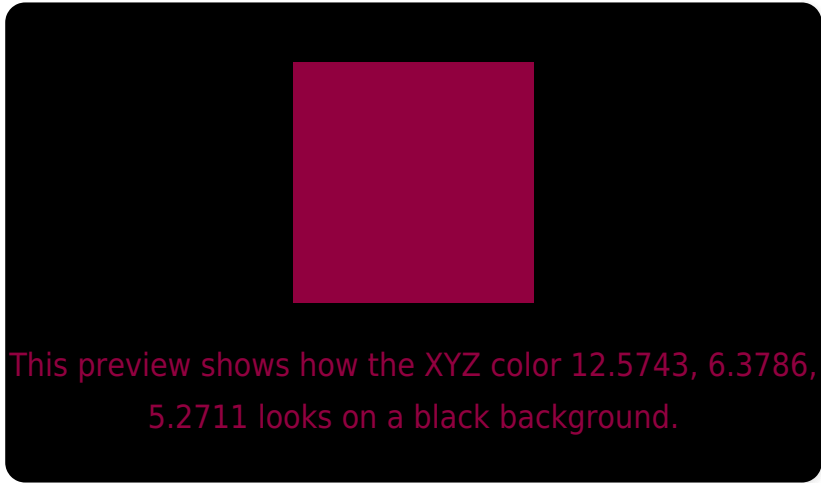
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5743, 6.3786, 5.2711

Background



This preview shows how black text looks on a background with the XYZ color 12.5743, 6.3786, 5.2711.



This preview shows how white text looks on a background with the XYZ color 12.5743, 6.3786,

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

12.5743, 6.3786, 5.2711

Protanopia

6.9791, 7.0099, 11.1104

Deuteranopia

7.0804, 7.0048, 4.8498



Tritanopia

12.0141, 6.6905, 1.5223

Trichromacy



Original Color

12.5743, 6.3786, 5.2711

Protanomaly

7.5387, 5.2238, 8.3955

Deuteranomaly

8.0731, 5.5210, 4.7778

Tritanomaly

12.0367, 6.4398, 2.4423

Monochromacy



Original Color

12.5743, 6.3786, 5.2711

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9524, 3.2402, 3.9788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5743, 6.3786, 5.2711 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(145, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 63)  
}
```

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(145, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.5743, 6.3786, 5.2711 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(145, 0, 63) }
```


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

```
.border{ border-color:rgb(145, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5743, 6.3786, 5.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 63) }
```

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

```
.background{ background-color: rgb(145, 0,  
63) }
```

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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