Converting Colors

XYZ(4.3937, 2.2651, 0.2056)

Have a look what the booklet for XYZ(4.3937, 2.2651, 0.2056) contains.

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Color

XYZ(4.4136, 2.2753, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	5C0000
RGB	92, 0, 0
RGB Percent	36%, 0%, 0%
CMY	0.6392, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.64
HSL	0°, 100%, 18%
HSV	0°, 100%, 36%
XYZ	4.4136, 2.2753, 0.2066
YIQ	27.5080, 54.8320, 19.5040

Conversions

Conversions Part 2

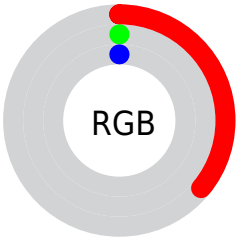
Format	Color
RYB	92, 0, 0
Decimal	6029312
CIELab	16.87, 38.03, 26.13
CIELCh	17, 46.146, 34.491
Yxy	2.2753, 0.6401, 0.3300
Android (android.graphics.Color)	4284219392 (0xFF5C0000)
YUV	27.5080, -13.5614, 56.5595
Hunter-Lab	15.0841, 25.8318, 9.7468

Details

The XYZ color 4.4136, 2.2753, 0.2066 is a dark color, and the websafe version is hex 660000. A complement of this color would be 5.7583, 8.4258, 11.4479, and the grayscale version is 1.0790, 1.1352, 1.2362.

A 20% lighter version of the original color is 14.3706, 9.5211, 3.7697, and 0.8048, 0.4143, 0.0663 is the 20% darker color. If you saturate the color by 10%, you get 4.4136, 2.2754, 0.2066, and if you desaturate by 10%, it is 4.5639, 2.4953, 0.5053.

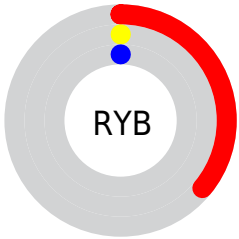
Distribution



Red (36%)

Green (0%)

Blue (0%)



Red (36%)

Yellow (0%)

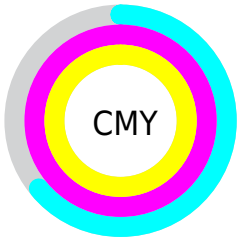
Blue (0%)

Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (64%)



Cyan (64%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 4.4136, 2.2753, 0.2066 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 4.4136, 2.2753, 0.2066 by changing the saturation by 10% instead.

4.4136, 2.2753, 0.2066

4.4136, 2.2753, 0.2066

139.0801, 118.8413, 87.1770

1.9387, 0.7606, 0.0000

14.2988, 9.4681, 3.7419

0.5992, 0.0000, 0.0000

22.4397, 15.9207, 7.5774

0.0000, 0.0000, 0.0000

33.2001, 24.7901, 13.4100

46.9452, 36.4606, 21.6581

64.0403, 51.3165, 32.7403

84.8510, 69.7423,

47.0752

109.7424, 92.1225, 65.0812

4.4136, 2.2753, 0.2066

4.4136, 2.2754, 0.2066

4.4136, 2.2753, 0.2066

4.5639, 2.4953, 0.5053

4.7490, 2.7662, 0.8733

5.0244, 3.1692, 1.4207

5.3999, 3.7186, 2.1671

5.8839, 4.4269, 3.1293

6.4839, 5.3048, 4.3220

7.2066, 6.3624, 5.7588

8.0585, 7.6089, 7.4523

9.0453, 9.0529, 9.4140

Harmonies

Analogous

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

5.0272, 2.2753, 2.0331

4.4136, 2.2753, 0.2066

3.2062, 2.2753, 0.0000

Triad

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

4.4136, 2.2753, 0.2066

0.7585, 2.2753, 0.6442

2.3323, 2.2753, 14.7331

Complementary

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

4.4136, 2.2753, 0.2066

5.7583, 8.4258, 11.4479

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.

1.3743, 2.2753, 12.9362

4.4136, 2.2753, 0.2066

0.6521, 2.2753, 2.9822

Square

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

4.4136, 2.2753, 0.2066

1.1731, 2.2753, 0.0000

0.8467, 2.2753, 7.7274

3.5935, 2.2753, 11.5616

Rectangle

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

4.4136, 2.2753, 0.2066

2.3719, 2.2753, 0.0000

0.8467, 2.2753, 7.7274

1.9660, 2.2753, 14.7024

Sweetspot

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

4.4136, 2.2754, 0.2066

12.4834, 10.9455, 9.8207

6.3453, 3.0480, 10.3789

3.0369, 2.6083, 2.2775

48.1978, 50.7079, 55.2208

4.4639, 4.6964, 5.1144

Same Dimension

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

4.4136, 2.2754, 0.2066

7.7250, 3.9825, 0.3616

5.3906, 4.2293, 0.5323

2.3316, 2.3482, 2.4567

6.3870, 3.2928, 0.2989

34.9753, 18.0307, 1.6369

Inverse Universe

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

5.7583, 8.4258, 11.4479

10.0785, 14.7473, 20.0369

2.9088, 2.7267, 10.4980

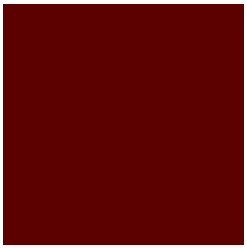
2.3911, 2.6204, 2.9542

8.3329, 12.1930, 16.5664

45.6309, 66.7690, 90.7184

Previews

White Background

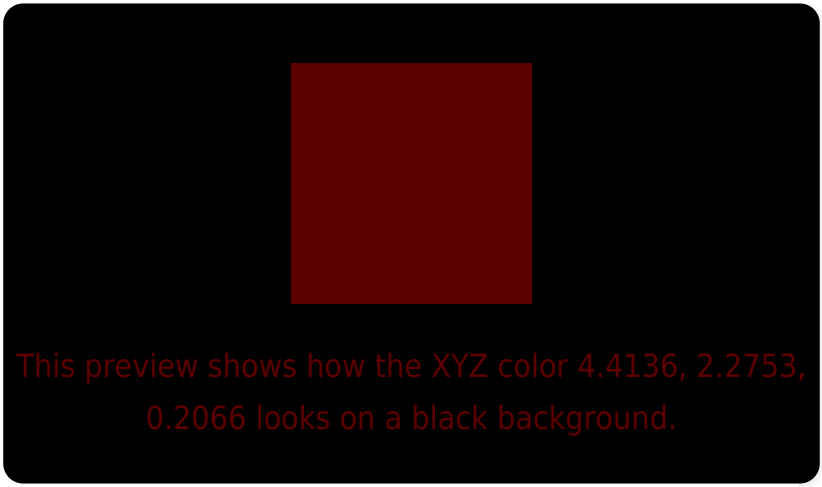


This preview shows how the XYZ color 4.4136, 2.2753, 0.2066 looks on a white background.

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

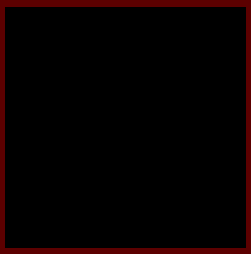


Color Contrast Check

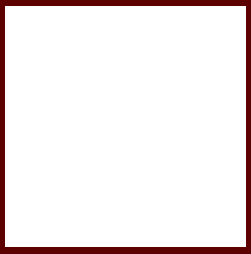
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 4.4136, 2.2753, 0.2066 Background



This preview shows how black text looks on a background with the XYZ color 4.4136, 2.2753, 0.2066.



This preview shows how white text looks on a background with the XYZ color 4.4136, 2.2753, 0.2066.

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
4.4136, 2.2753, 0.2066

Protanopia
2.4990, 2.7896, 0.7546

Tritanopia
4.4121, 2.4195, 0.2345

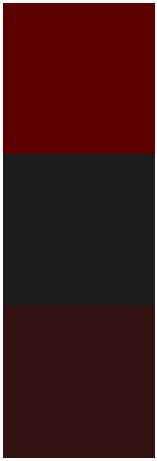
Trichromacy

Original Color
4.4136, 2.2753, 0.2066

Protanomaly
2.8228, 2.1394, 0.4939

Tritanomaly
4.3795, 2.3544, 0.2236

Monochromacy



Original Color
4.4136, 2.2753, 0.2066

Achromatopsia
1.1037, 1.1612, 1.2646

Achromatomaly
1.6907, 1.1801, 0.7109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.4136, 2.2753, 0.2066 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(92, 0, 0) looks like.

```
.text, #text, p{
    color:rgb(92, 0, 0)
}
```

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(92, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 4.4136, 2.2753, 0.2066 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(92, 0, 0) }
```

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

```
.border{ border-color:rgb(92, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(92, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 0, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 0, 0); box-shadow:4px 4px 4px 4px rgb(92, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 4.4136, 2.2753, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(92, 0, 0) }
```

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

```
.background{ background-color:rgb(92, 0,
0) }
```

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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