

Converting Colors

XYZ(22.4024, 10.7320, 6.9633)

Have a look what the booklet for
XYZ(22.4024, 10.7320, 6.9633)
contains.

XYZ(22.9079, 11.6743, 7.1769)	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(22.9079, 11.6743,
7.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	C00048
RGB	192, 0, 72
RGB Percent	75%, 0%, 28%
CMY	0.2471, 0.9999, 0.7176
CMYK	0.00, 1.00, 0.62, 0.25
HSL	338°, 100%, 38%
HSV	338°, 100%, 75%
XYZ	22.9079, 11.6743, 7.1769
YIQ	65.6160, 91.3200, 63.0960

Conversions

Conversions Part 2

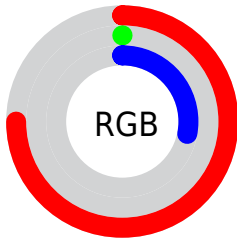
Format	Color
R_{YB}	192, 0, 72
Decimal	12582984
CIE Lab	40.69, 66.79, 16.96
CIE LCh	41, 68.911, 14.246
Yxy	11.6743, 0.5486, 0.2796
Android (android.graphics.Color)	4290773064 (0xFFC00048)
YUV	65.6160, 3.1473, 110.8388
Hunter-Lab	34.1677, 59.8828, 11.4635

Details

The XYZ color **22.9079, 11.6743, 7.1769** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.2421, 39.0561, 24.1461**, and the grayscale version is **5.1072, 5.3732, 5.8514**.

A 20% lighter version of the original color is **47.8005, 28.9567, 20.8391**, and **9.5944, 4.9190, 1.6721** is the 20% darker color. If you saturate the color by 10%, you get **22.9071, 11.6740, 7.1733**, and if you desaturate by 10%, it is **23.5753, 12.3202, 9.5235**.

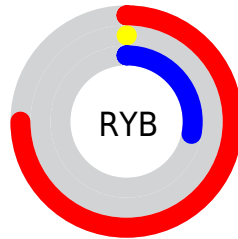
Distribution



Red (75%)

Green (0%)

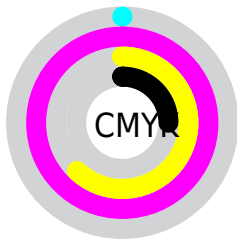
Blue (28%)



Red (75%)

Yellow (0%)

Blue (28%)

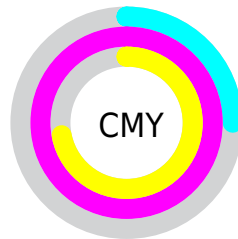


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9079, 11.6743, 7.1769 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 22.9079, 11.6743, 7.1769 by changing the saturation by 10% instead.


 22.9079, 11.6743,
7.1769


 22.9079, 11.6743,
7.1769

259.7958,
202.2370, 178.8119


 14.6458, 6.5223,
3.4929


 47.7098, 28.9005,
20.8471


 8.6559, 3.1652,
1.3515


 64.9804, 41.7435,
31.6704

 4.5727, 1.2186,
0.1034

 85.9845, 57.9190,
45.7104

 2.0310, 0.0768,
0.0000

 111.0875, 77.8113,
63.3859

 0.6513, 0.0000,
0.0000

 140.6548,
101.8048, 85.1152

 0.0000, 0.0000,
0.0000

 175.0517,

130.2841, 111.3169

214.6436,
163.6333, 142.4097

■ 22.9079, 11.6743,
7.1769

■ 22.9079, 11.6743,
7.1769

■ 22.9071, 11.6740,
7.1733

■ 23.5753, 12.3202,
9.5235

■ 24.5567, 13.4651,
12.3722

■ 25.9399, 15.2786,
15.7710

■ 27.7710, 17.8472,
19.7532

■ 30.0896, 21.2445,
24.3483

■ 32.9305, 25.5352,
29.5838

■ 36.3252, 30.7775,
35.4851

■ 40.3027, 37.0246,
42.0762

■ 44.8899, 44.3258,
49.3798

Harmonies

Analogous

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



22.8044, 11.6743, 21.4967



22.9079, 11.6743, 7.1769



19.2704, 11.6743, 1.6674

Triad

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



22.9079, 11.6743, 7.1769



5.7505, 11.6743, 1.5416



8.7376, 11.6743, 60.1119

Complementary

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



22.9079, 11.6743, 7.1769



22.2421, 39.0561, 24.1461

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.



5.6385, 11.6743, 42.2095



22.9079, 11.6743, 7.1769



4.2917, 11.6743, 6.7201

Square

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



22.9079, 11.6743, 7.1769



8.9426, 11.6743, 0.2356



4.2579, 11.6743, 20.5413



13.5701, 11.6743, 60.6292

Rectangle

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



22.9079, 11.6743, 7.1769



15.6950, 11.6743, 0.5660



4.2579, 11.6743, 20.5413



7.4967, 11.6743, 55.5537

Sweetspot

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



22.9082, 11.6750, 7.1771



65.4886, 55.2517, 63.7352



17.0421, 7.6870, 50.4544



13.4663, 10.9488, 12.6717



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.9082, 11.6750, 7.1771



41.3948, 21.1080, 12.4084



22.0335, 11.7969, 1.1167



10.2259, 10.1390, 11.2800



15.4491, 7.8694, 5.0111



0.7010, 0.3534, 0.3930

Inverse Universe

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



22.9082, 11.6750, 7.1771



41.3948, 21.1080, 12.4084



23.8153, 32.4070, 54.8689



10.2259, 10.1390, 11.2800



15.4491, 7.8694, 5.0111



0.7010, 0.3534, 0.3930

Previews

White Background



This preview shows how the XYZ color 22.9079, 11.6743, 7.1769 looks on a white background.

Color Contrast Check

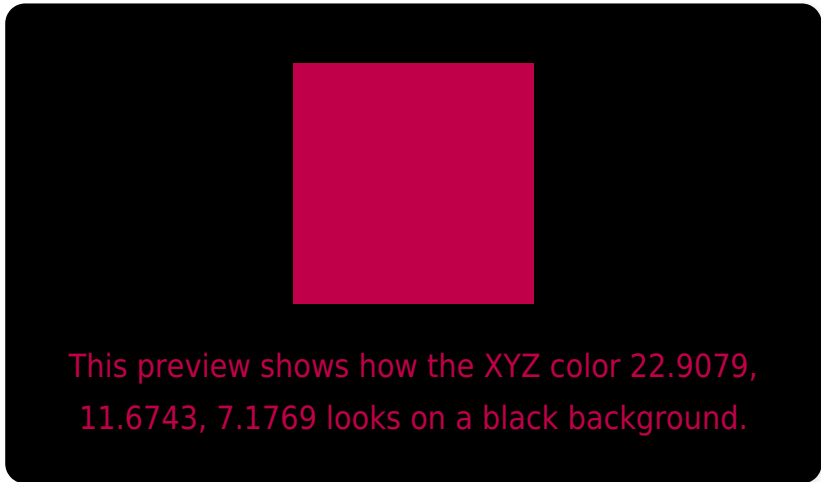
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

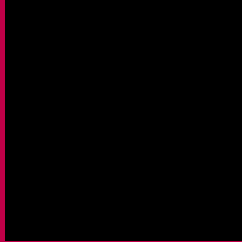
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9079, 11.6743, 7.1769

Background



This preview shows how black text looks on a background with the XYZ color 22.9079, 11.6743, 7.1769.



This preview shows how white text looks on a background with the XYZ color 22.9079, 11.6743,

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

22.9079, 11.6743, 7.1769

Protanopia

11.9545, 12.3520, 15.1187

Deuteranopia

12.3993, 12.2271, 6.5570



Tritanopia

22.1231, 12.0342, 2.1937

Trichromacy



Original Color

22.9079, 11.6743, 7.1769

Protanomaly

13.2141, 9.1411, 11.4239

Deuteranomaly

14.3060, 9.6567, 6.4201

Tritanomaly

22.1382, 11.6834, 3.3738

Monochromacy



Original Color

22.9079, 11.6743, 7.1769

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5534, 5.5180, 6.0831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9079, 11.6743, 7.1769 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(192, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 72)  
}
```

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(192, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 22.9079, 11.6743, 7.1769 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(192, 0, 72) }
```


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

```
.border{ border-color:rgb(192, 0, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.9079, 11.6743, 7.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 72) }
```

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

```
.background{ background-color: rgb(192, 0,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor