

Converting Colors

XYZ(22.6661, 11.6365, 3.2419)

Have a look what the booklet for
XYZ(22.6661, 11.6365, 3.2419)
contains.

XYZ(22.6661, 11.6365, 3.2419)	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(22.6661, 11.6365,
3.2419)**

Conversions

Conversions Part 1

Format	Color
Hex	C2002A
RGB	194, 0, 42
RGB Percent	76%, 0%, 16%
CMY	0.2392, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.78, 0.24
HSL	347°, 100%, 38%
HSV	347°, 100%, 76%
XYZ	22.6661, 11.6365, 3.2419
YIQ	62.7940, 102.1420, 54.1900

Conversions

Conversions Part 2

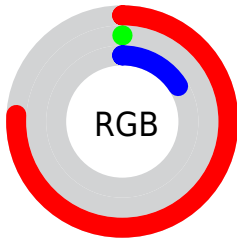
Format	Color
RYB	194, 0, 42
Decimal	12714026
CIELab	40.63, 65.96, 35.65
CIElCh	41, 74.977, 28.394
Yxy	11.6365, 0.6037, 0.3099
Android (android.graphics.Color)	4290904106 (0xFFC2002A)
YUV	62.7940, -10.2514, 115.0677
Hunter-Lab	34.1123, 58.9087, 18.2439

Details

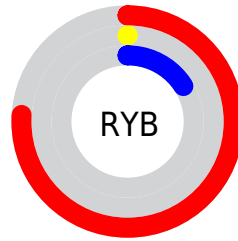
The XYZ color **22.6661, 11.6365, 3.2419** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.9626, 40.8518, 36.2907**, and the grayscale version is **4.7013, 4.9461, 5.3863**.

A 20% lighter version of the original color is **46.0947, 28.1511, 12.2368**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.6655, 11.6363, 3.2392**, and if you desaturate by 10%, it is **23.2320, 12.2474, 5.0370**.

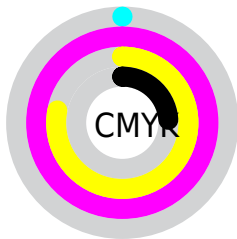
Distribution



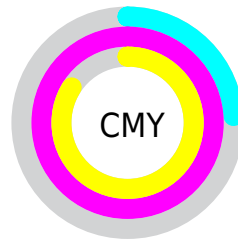
- Red (76%)
- Green (0%)
- Blue (16%)



- Red (76%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6661, 11.6365, 3.2419 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 22.6661, 11.6365, 3.2419 by changing the saturation by 10% instead.

■ 22.6661, 11.6365,
3.2419

■ 22.6661, 11.6365,
3.2419

258.5728,
201.9837, 139.3843

■ 14.4665, 6.4967,
1.2194

■ 47.3152, 28.8313,
12.2197

■ 8.5297, 3.1494,
0.0000

■ 64.4954, 41.6551,
20.0122

■ 4.4903, 1.2102,
0.0000

■ 85.3998, 57.8090,
30.5650

■ 1.9831, 0.0700,
0.0000

■ 110.3938, 77.6773,
44.2968

■ 0.6244, 0.0000,
0.0000

■ 139.8427,
101.6446, 61.6261

■ 0.0000, 0.0000,
0.0000

■ 174.1120,

130.0952, 82.9714

213.5669,
163.4134, 108.7513

■ 22.6661, 11.6365,
3.2419

■ 22.6661, 11.6365,
3.2419

■ 22.6655, 11.6363,
3.2392

■ 23.2320, 12.2474,
5.0370

■ 24.1512, 13.3828,
7.5107

■ 25.5183, 15.2174,
10.7400

■ 27.3854, 17.8420,
14.7828

■ 29.7969, 21.3337,
19.6913

■ 32.7925, 25.7603,
25.5128

■ 36.4077, 31.1829,
32.2915

■ 40.6755, 37.6573,
40.0682

■ 45.6263, 45.2353,
48.8818

Harmonies

Analogous

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



24.6954, 11.6365, 13.5060



22.6661, 11.6365, 3.2419



17.3071, 11.6365, 0.4335

Triad

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



22.6661, 11.6365, 3.2419



4.4530, 11.6365, 2.7037



10.7770, 11.6365, 69.9705

Complementary

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



22.6661, 11.6365, 3.2419



24.9626, 40.8518, 36.2907

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.



6.5327, 11.6365, 57.3286



22.6661, 11.6365, 3.2419



3.6805, 11.6365, 11.8696

Square

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



22.6661, 11.6365, 3.2419



6.8872, 11.6365, 0.2866



4.2991, 11.6365, 32.2346



16.6488, 11.6365, 59.5957

Rectangle

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



22.6661, 11.6365, 3.2419



13.2398, 11.6365, 0.0000



4.2991, 11.6365, 32.2346



9.1339, 11.6365, 68.1577

Sweetspot

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



22.6664, 11.6372, 3.2421



65.6108, 55.9661, 57.8552



22.6820, 10.5687, 51.8832



13.7256, 11.2895, 11.4736



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.6664, 11.6372, 3.2421



40.9885, 21.0517, 5.4696



23.6141, 14.2010, 1.4975



10.1604, 10.1128, 10.9352



14.9273, 7.6607, 2.2631



0.6713, 0.3415, 0.2365

Inverse Universe

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



22.6664, 11.6372, 3.2421



40.9885, 21.0517, 5.4696



18.9769, 22.3731, 54.3570



10.1604, 10.1128, 10.9352



14.9273, 7.6607, 2.2631



0.6713, 0.3415, 0.2365

Previews

White Background



This preview shows how the XYZ color 22.6661, 11.6365, 3.2419 looks on a white background.

Color Contrast Check

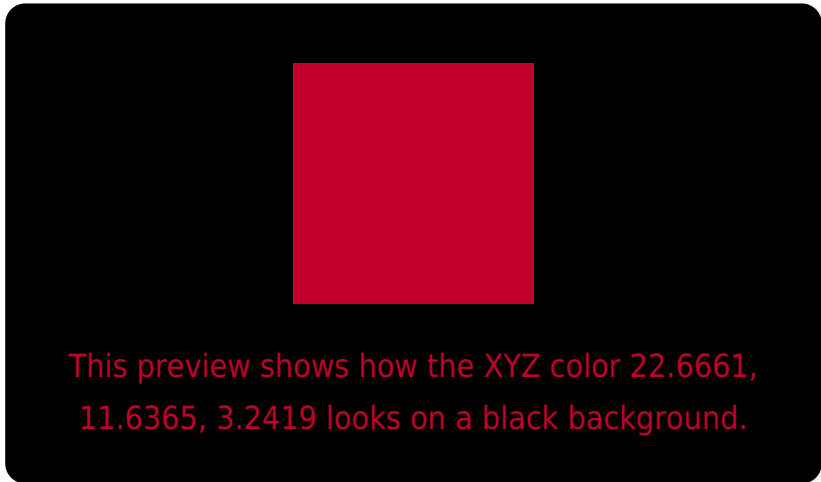
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6661, 11.6365, 3.2419

Background



This preview shows how black text looks on a background with the XYZ color 22.6661, 11.6365, 3.2419.



This preview shows how white text looks on a background with the XYZ color 22.6661, 11.6365,

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

22.6661, 11.6365, 3.2419

Protanopia

11.3565, 12.2313, 6.6128

Deuteranopia

12.3045, 12.1284, 2.8549



Tritanopia

22.4973, 11.9151, 1.2864

Trichromacy



Original Color

22.6661, 11.6365, 3.2419

Protanomaly

13.0839, 9.2197, 4.8314

Deuteranomaly

14.2471, 9.6330, 2.6218

Tritanomaly

22.4853, 11.7557, 1.7001

Monochromacy



Original Color

22.6661, 11.6365, 3.2419

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.0039, 5.1729, 4.1911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6661, 11.6365, 3.2419 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(194, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 42)  
}
```

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(194, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 22.6661, 11.6365, 3.2419 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(194, 0, 42) }
```


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

```
.border{ border-color:rgb(194, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(194, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6661, 11.6365, 3.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 42) }
```

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

```
.background{ background-color: rgb(194, 0,  
42) }
```

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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