

# Converting Colors

XYZ(22.0600, 11.5753, 1.1589)

Have a look what the booklet for  
XYZ(22.0600, 11.5753, 1.1589)  
contains.

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# Color

**XYZ(22.1527, 11.6319,  
1.1637)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C10D03
RGB	193, 13, 3
RGB Percent	76%, 5%, 1%
CMY	0.2431, 0.9489, 0.9882
CMYK	0.00, 0.93, 0.98, 0.24
HSL	3°, 97%, 38%
HSV	3°, 98%, 76%
XYZ	22.1527, 11.6319, 1.1637
YIQ	65.6800, 110.4900, 35.0500

# Conversions

## Conversions Part 2

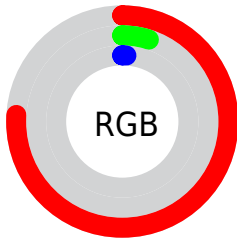
Format	Color
<a href="#">RYB</a>	193, 14, 3
Decimal	12651779
CIELab	40.62, 63.63, 53.57
CIElCh	41, 83.181, 40.096
Yxy	11.6319, 0.6339, 0.3328
Android (android.graphics.Color)	4290841859 (0xFFC10D03)
YUV	65.6800, -30.9012, 111.6596
Hunter-Lab	34.1056, 56.2569, 21.8509

# Details

The XYZ color **22.1527, 11.6319, 1.1637** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **26.5894, 37.7222, 56.3314**, and the grayscale version is **5.1658, 5.4349, 5.9186**.

A 20% lighter version of the original color is **45.2336, 28.1819, 6.5456**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **22.1028, 11.5586, 1.0661**, and if you desaturate by 10%, it is **22.6381, 12.3929, 1.9732**.

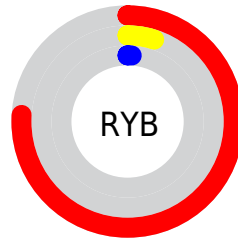
# Distribution



Red (76%)

Green (5%)

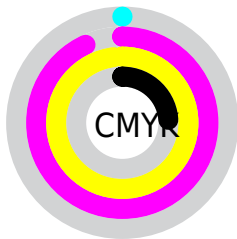
Blue (1%)



Red (76%)

Yellow (5%)

Blue (1%)

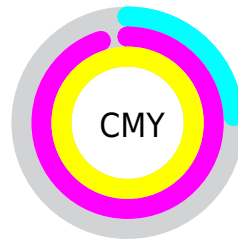


Cyan (0%)

Magenta (93%)

Yellow (98%)

Black (24%)



Cyan (24%)

Magenta (95%)


Yellow (99%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1527, 11.6319, 1.1637 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 22.1527, 11.6319, 1.1637 by changing the saturation by 10% instead.





 22.1527, 11.6319,  
1.1637


 22.1527, 11.6319,  
1.1637


 255.9601,  
201.9529, 107.6252


 14.0864, 6.4936,  
0.0000


 46.4752, 28.8229,  
6.5932


 8.2629, 3.1475,  
0.0000


 63.4621, 41.6443,  
11.9585


 4.3168, 1.2092,  
0.0000

 84.1533, 57.7956,  
19.6488

 1.8829, 0.0692,  
0.0000

 108.9140, 77.6610,  
30.0827


 0.5669, 0.0000,  
0.0000


 138.1097,  
101.6251, 43.6788


 0.0000, 0.0000,  
0.0000


 172.1057,


130.0722, 60.8555


 211.2674,  
163.3866, 82.0315


 22.1527, 11.6319,  
1.1637


 22.1527, 11.6319,  
1.1637

 22.1028, 11.5586,  
1.0661

 22.6381, 12.3929,  
1.9732

 23.5263, 13.7484,  
3.5668

 24.8913, 15.7924,  
6.1369

 26.7877, 18.6000,  
9.8063

 29.2626, 22.2366,  
14.6796

■ 32.3578, 26.7603,  
20.8493

■ 36.1113, 32.2244,  
28.3989

■ 40.5582, 38.6776,  
37.4048

■ 45.7308, 46.1654,  
47.9381

# Harmonies

## Analogous

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



26.3358, 11.6319, 7.7956



22.1527, 11.6319, 1.1637



15.3677, 11.6319, 0.0000

# Triad

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



22.1527, 11.6319, 1.1637



3.4694, 11.6319, 4.5319



13.1581, 11.6319, 78.7454

# Complementary

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



22.1527, 11.6319, 1.1637



26.5894, 37.7222, 56.3314

# 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.



7.6368, 11.6319, 74.0007



22.1527, 11.6319, 1.1637



3.2436, 11.6319, 19.2300

# Square

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



22.1527, 11.6319, 1.1637



5.2566, 11.6319, 0.4483



4.4673, 11.6319, 47.0501



20.0511, 11.6319, 57.0753



# Rectangle

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



22.1527, 11.6319, 1.1637



11.0368, 11.6319, 0.0000



4.4673, 11.6319, 47.0501



11.0748, 11.6319, 80.4525

# Sweetspot

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



22.1529, 11.6326, 1.1639



63.2174, 55.5938, 47.9202



30.6240, 14.8422, 46.3235



12.9402, 11.0215, 9.0286



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.



22.1529, 11.6326, 1.1639



39.5350, 20.5984, 1.8922



27.3185, 21.9637, 2.8857



10.1149, 10.1613, 10.4901



14.7196, 7.7249, 0.7153



0.6510, 0.3638, 0.0359



# Inverse Universe

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



26.5894, 37.7222, 56.3314



47.4377, 67.2920, 100.8487



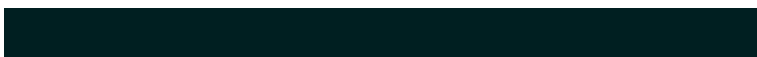
13.1940, 10.9313, 51.8663



10.3215, 11.3343, 12.9286



17.6574, 25.0712, 37.4652



0.7771, 1.1116, 1.6235



# Previews

## White Background



This preview shows how the XYZ color 22.1527, 11.6319, 1.1637 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



This preview shows how the XYZ color 22.1527, 11.6319, 1.1637 looks on a 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 22.1527, 11.6319, 1.1637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.1527, 11.6319, 1.1637.



This preview shows how white text looks on a background with the XYZ color 22.1527, 11.6319,



# 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

22.1527, 11.6319, 1.1637

### Protanopia

10.9736, 12.1205, 2.6808

### Deuteranopia

12.0827, 12.0397, 1.6871



## Tritanopia

21.9387, 11.6074, 1.0841

# Trichromacy



## Original Color

22.1527, 11.6319, 1.1637

## Protanomaly

12.9235, 9.6302, 1.7080

## Deuteranomaly

14.0516, 9.9649, 1.2115

## Tritanomaly

21.9290, 11.5792, 1.1079

# Monochromacy



## Original Color

22.1527, 11.6319, 1.1637

## Achromatopsia

5.1784, 5.4480, 5.9329

## Achromatomaly

8.1347, 5.6522, 2.9477

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.1527, 11.6319, 1.1637 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(193, 13, 3)` looks like.

```
.text, #text, p{  
    color:rgb(193, 13, 3)  
}
```

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(193, 13, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 13, 3) }
```

## Border

The CSS property to change the border of an element to XYZ 22.1527, 11.6319, 1.1637 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(193, 13, 3) }
```



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

```
.border{ border-color:rgb(193, 13, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 13, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 13, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 13, 3);  
box-shadow:4px 4px 4px 4px rgb(193, 13, 3)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 22.1527, 11.6319, 1.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 13, 3) }
```

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

```
.background{ background-color: rgb(193, 13,  
3) }
```

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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