

Converting Colors

XYZ(22.3012, 12.3106, 9.2883)

Have a look what the booklet for
XYZ(22.3012, 12.3106, 9.2883)
contains.

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Color

**XYZ(22.2305, 12.2620,
9.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	B92553
RGB	185, 37, 83
RGB Percent	73%, 15%, 33%
CMY	0.2745, 0.8549, 0.6745
CMYK	0.00, 0.80, 0.55, 0.27
HSL	341°, 67%, 44%
HSV	341°, 80%, 73%
XYZ	22.2305, 12.2620, 9.3787
YIQ	86.4960, 73.4420, 45.6820

Conversions

Conversions Part 2

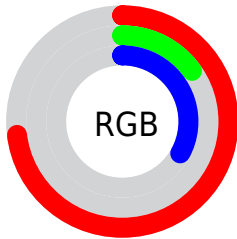
Format	Color
RYB	185, 37, 83
Decimal	12133715
CIELab	41.63, 59.66, 11.03
CIElCh	42, 60.672, 10.479
Yxy	12.2620, 0.5067, 0.2795
Android (android.graphics.Color)	4290323795 (0xFFB92553)
YUV	86.4960, -1.7235, 86.3880
Hunter-Lab	35.0171, 52.0401, 8.6323

Details

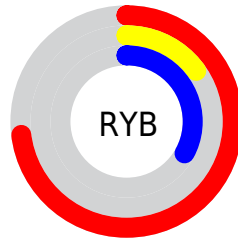
The XYZ color **22.2305, 12.2620, 9.3787** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **22.7734, 36.9558, 30.3637**, and the grayscale version is **8.9448, 9.4106, 10.2482**.

A 20% lighter version of the original color is **46.5386, 29.9941, 25.1664**, and **8.8237, 4.5065, 2.3242** is the 20% darker color. If you saturate the color by 10%, you get **21.3456, 11.2090, 6.8742**, and if you desaturate by 10%, it is **23.4981, 13.9356, 12.4577**.

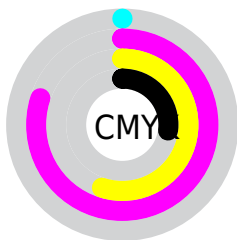
Distribution



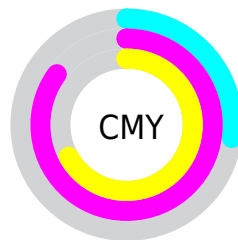
- Red (73%)
- Green (15%)
- Blue (33%)



- Red (73%)
- Yellow (15%)
- Blue (33%)



- Cyan (0%)
- Magenta (80%)
- Yellow (55%)
- Black (27%)





- Cyan (27%)
- Magenta (85%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2305, 12.2620, 9.3787 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 22.2305, 12.2620, 9.3787 by changing the saturation by 10% instead.


 22.2305, 12.2620,
9.3787


 22.2305, 12.2620,
9.3787


256.3574,
206.1322, 196.4993


 14.1439, 6.9224,
4.8888


 46.6027, 29.9714,
25.2094


 8.3032, 3.4136,
2.1246


 63.6190, 43.1099,
37.3874


 4.3430, 1.3513,
0.6303

 84.3426, 59.6169,
52.9651

 1.8980, 0.1804,
0.0000

 109.1389, 79.8768,
72.3611

 0.5756, 0.0000,
0.0000

 138.3731,
104.2738, 95.9940

 0.0000, 0.0000,
0.0000

 172.4107,

133.1924, 124.2823

211.6171,
167.0171, 157.6446

■ 22.2305, 12.2620,
9.3787

■ 22.2305, 12.2620,
9.3787

■ 21.3456, 11.2090,
6.8742

■ 23.4981, 13.9356,
12.4577

■ 20.7586, 10.6149,
4.8911

■ 25.1907, 16.3070,
16.1478

■ 20.7583, 10.6146,
4.8899

■ 27.3460, 19.4444,
20.4826

■ 29.9967, 23.4073,
25.4929

■ 33.1727, 28.2491,
31.2075

■ 36.9015, 34.0189,
37.6532

■ 41.2083, 40.7619,
44.8555

■ 46.1170, 48.5206,
52.8385

■ 51.6500, 57.3348,
61.6253

Harmonies

Analogous

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



21.6989, 12.2620, 23.3048



22.2305, 12.2620, 9.3787



19.4321, 12.2620, 2.9361

Triad

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



22.2305, 12.2620, 9.3787



6.9434, 12.2620, 2.0506



9.0276, 12.2620, 52.2151

Complementary

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



22.2305, 12.2620, 9.3787



22.7734, 36.9558, 30.3637

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.



6.2909, 12.2620, 36.3537



22.2305, 12.2620, 9.3787



5.3164, 12.2620, 6.7328

Square

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



22.2305, 12.2620, 9.3787



10.1694, 12.2620, 0.8470



5.1126, 12.2620, 18.3118



13.2779, 12.2620, 54.7317

Rectangle

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



22.2305, 12.2620, 9.3787



16.3894, 12.2620, 1.3743



5.1126, 12.2620, 18.3118



7.9328, 12.2620, 47.9451

Sweetspot

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



22.2308, 12.2627, 9.3789



63.0277, 56.1716, 62.1939



19.9228, 10.2417, 46.8255



13.0873, 11.3367, 12.5392



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.2308, 12.2627, 9.3789



37.4263, 19.2765, 9.5516



22.1831, 14.1309, 3.3097



9.1165, 9.0570, 9.9608



14.1639, 7.2393, 3.4838



0.5280, 0.2667, 0.2740

Inverse Universe

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



22.2308, 12.2627, 9.3789



37.4263, 19.2765, 9.5516



21.7248, 28.3053, 50.2172



9.1165, 9.0570, 9.9608



14.1639, 7.2393, 3.4838



0.5280, 0.2667, 0.2740

Previews

White Background



This preview shows how the XYZ color 22.2305, 12.2620, 9.3787 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 22.2305, 12.2620, 9.3787

Background



This preview shows how black text looks on a background with the XYZ color 22.2305, 12.2620, 9.3787.



This preview shows how white text looks on a background with the XYZ color 22.2305, 12.2620,

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

22.2305, 12.2620, 9.3787

Protanopia

12.4289, 12.6800, 17.7120

Deuteranopia

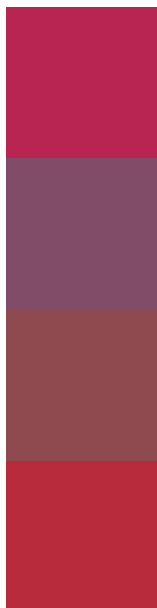
12.7328, 12.4881, 8.5768



Tritanopia

21.0389, 12.2347, 4.0490

Trichromacy



Original Color

22.2305, 12.2620, 9.3787

Protanomaly

14.0859, 10.8153, 14.1771

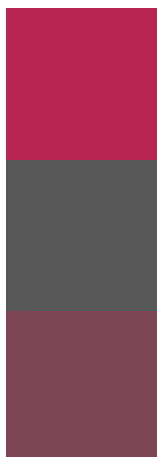
Deuteranomaly

15.0154, 11.2129, 8.7700

Tritanomaly

21.4733, 12.2550, 5.6486

Monochromacy



Original Color

22.2305, 12.2620, 9.3787

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.9762, 9.1391, 9.9369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2305, 12.2620, 9.3787 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(185, 37, 83)` looks like.

```
.text, #text, p{  
    color:rgb(185, 37, 83)  
}
```

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(185, 37, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 37, 83) }
```

Border

The CSS property to change the border of an element to XYZ 22.2305, 12.2620, 9.3787 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(185, 37, 83) }
```


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

```
.border{ border-color:rgb(185, 37, 83) }
```

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

Here you see how a box with a 4 pixel rgb(185, 37, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 37, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 37, 83);  
box-shadow:4px 4px 4px 4px rgb(185, 37,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2305, 12.2620, 9.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 37, 83) }
```

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

```
.background{ background-color: rgb(185, 37,  
83) }
```

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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