

Converting Colors

XYZ(22.2599, 12.7966, 12.5495)

Have a look what the booklet for
XYZ(22.2599, 12.7966, 12.5495)
contains.

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Color

**XYZ(22.2707, 12.8007,
12.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	B53061
RGB	181, 48, 97
RGB Percent	71%, 19%, 38%
CMY	0.2902, 0.8117, 0.6196
CMYK	0.00, 0.73, 0.46, 0.29
HSL	338°, 58%, 45%
HSV	338°, 73%, 71%
XYZ	22.2707, 12.8007, 12.6063
YIQ	93.3530, 63.5390, 43.4350

Conversions

Conversions Part 2

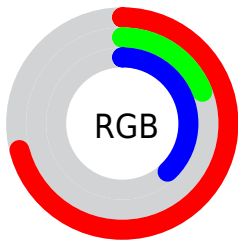
Format	Color
R_{YB}	181, 48, 97
Decimal	11874401
CIE Lab	42.46, 56.26, 3.32
CIE LCh	42, 56.358, 3.375
Yxy	12.8007, 0.4671, 0.2685
Android (android.graphics.Color)	4290064481 (0xFFB53061)
YUV	93.3530, 1.7980, 76.8664
Hunter-Lab	35.7781, 48.4989, 4.1540

Details

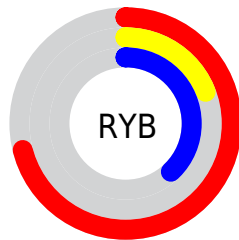
The XYZ color **22.2707, 12.8007, 12.6063** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.9086, 35.3425, 27.4996**, and the grayscale version is **10.4733, 11.0187, 11.9994**.

A 20% lighter version of the original color is **46.5937, 30.9105, 31.1143**, and **8.7659, 4.4500, 3.5289** is the 20% darker color. If you saturate the color by 10%, you get **21.1804, 11.4126, 9.7997**, and if you desaturate by 10%, it is **23.7405, 14.8248, 15.9186**.

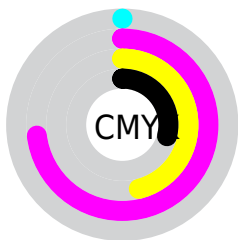
Distribution



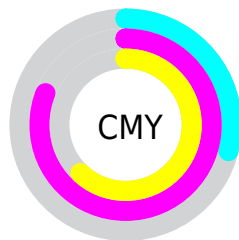
- Red (71%)
- Green (19%)
- Blue (38%)



- Red (71%)
- Yellow (19%)
- Blue (38%)



- Cyan (0%)
- Magenta (73%)
- Yellow (46%)
- Black (29%)




- Cyan (29%)
- Magenta (81%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2707, 12.8007, 12.6063 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 22.2707, 12.8007, 12.6063 by changing the saturation by 10% instead.


 22.2707, 12.8007,
12.6063


 22.2707, 12.8007,
12.6063


256.5626,
209.6364, 219.4973


 14.1737, 7.2915,
7.0305


 46.6685, 30.9453,
31.2754


 8.3241, 3.6450,
3.4024


 63.7000, 44.3494,
45.2058


 4.3565, 1.4770,
1.3036

 84.4404, 61.1539,
62.7580

 1.9058, 0.2725,
0.0647

 109.2550, 81.7432,
84.3508

 0.5802, 0.0000,
0.0000

 138.5091,
106.5017, 110.4026

 0.0000, 0.0000,
0.0000

 172.5682,

135.8138, 141.3319

211.7976,
170.0639, 177.5573

■ 22.2707, 12.8007,
12.6063

■ 22.2707, 12.8007,
12.6063

■ 21.1804, 11.4126,
9.7997

■ 23.7405, 14.8248,
15.9186

■ 20.4258, 10.5783,
7.4679

■ 25.6245, 17.5496,
19.7632

■ 20.0595, 10.2251,
6.1761

■ 27.9547, 21.0340,
24.1651

■ 30.7592, 25.3301,
29.1473

■ 34.0638, 30.4854,
34.7314

■ 37.8926, 36.5437,
40.9378

■ 42.2677, 43.5456,
47.7860

■ 47.2103, 51.5296,
55.2943

■ 52.7401, 60.5317,
63.4806

Harmonies

Analogous

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



21.0207, 12.8007, 27.2599



22.2707, 12.8007, 12.6063



20.3363, 12.8007, 4.6269

Triad

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



22.2707, 12.8007, 12.6063



8.2058, 12.8007, 2.1113



8.8627, 12.8007, 47.0250

Complementary

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



22.2707, 12.8007, 12.6063



21.9086, 35.3425, 27.4996

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.



6.5435, 12.8007, 31.1606



22.2707, 12.8007, 12.6063



6.2308, 12.8007, 5.8665

Square

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



22.2707, 12.8007, 12.6063



11.6924, 12.8007, 1.2022



5.7015, 12.8007, 15.3599



12.6536, 12.8007, 52.7269

Rectangle

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



22.2707, 12.8007, 12.6063



17.7154, 12.8007, 2.3349



5.7015, 12.8007, 15.3599



7.9175, 12.8007, 42.3800

Sweetspot

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



22.2710, 12.8014, 12.6065



61.7208, 55.7205, 63.3799



18.6067, 10.1982, 44.7038



12.9750, 11.4696, 13.0944



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.2710, 12.8014, 12.6065



37.0570, 19.4355, 14.9496



21.3964, 13.6506, 4.3043



8.6215, 8.5553, 9.5052



13.8596, 7.0614, 4.4206



0.4648, 0.2337, 0.2904

Inverse Universe

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



22.2710, 12.8014, 12.6065



37.0570, 19.4355, 14.9496



23.1025, 31.0501, 48.4917



8.6215, 8.5553, 9.5052



13.8596, 7.0614, 4.4206



0.4648, 0.2337, 0.2904

Previews

White Background



This preview shows how the XYZ color 22.2707, 12.8007, 12.6063 looks on a white background.

Color Contrast Check

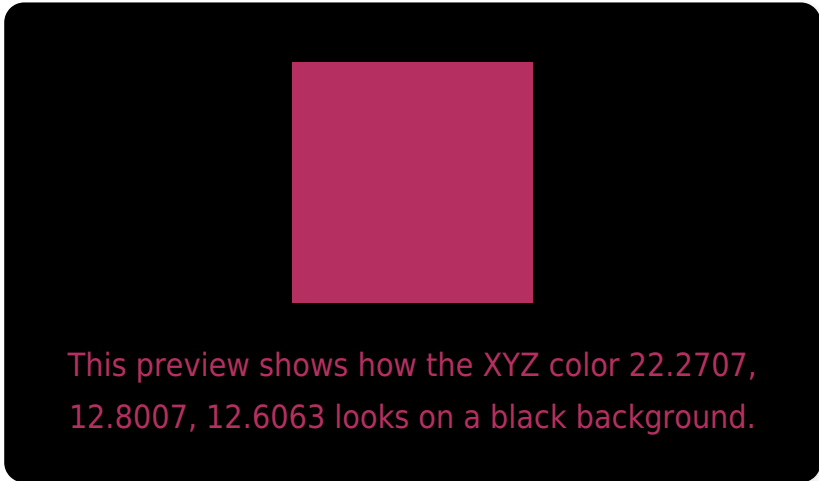
Large Text (above 18pt) WCAG AA ✓ Pass

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

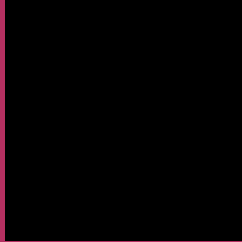
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2707, 12.8007, 12.6063

Background



This preview shows how black text looks on a background with the XYZ color 22.2707, 12.8007, 12.6063.

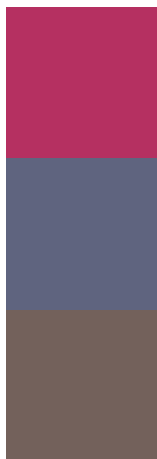


This preview shows how white text looks on a background with the XYZ color 22.2707, 12.8007,

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

22.2707, 12.8007, 12.6063

Protanopia

13.1073, 13.0795, 21.9125

Deuteranopia

13.2333, 12.9496, 11.6996



Tritanopia

20.8691, 12.8362, 5.6527

Trichromacy



Original Color

22.2707, 12.8007, 12.6063

Protanomaly

14.6990, 11.5814, 17.9837

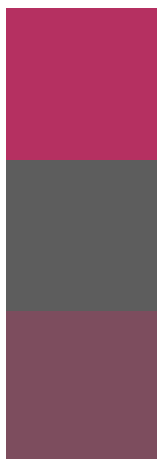
Deuteranomaly

15.4192, 11.8712, 11.8346

Tritanomaly

21.3442, 12.8227, 7.6534

Monochromacy



Original Color

22.2707, 12.8007, 12.6063

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.1317, 10.4759, 11.9196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2707, 12.8007, 12.6063 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(181, 48, 97)` looks like.

```
.text, #text, p{  
    color:rgb(181, 48, 97)  
}
```

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(181, 48, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 48, 97) }
```

Border

The CSS property to change the border of an element to XYZ 22.2707, 12.8007, 12.6063 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(181, 48, 97) }
```


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

```
.border{ border-color:rgb(181, 48, 97) }
```

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

Here you see how a box with a 4 pixel rgb(181, 48, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 48, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 48, 97);  
box-shadow:4px 4px 4px 4px rgb(181, 48,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2707, 12.8007, 12.6063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 48, 97) }
```

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

```
.background{ background-color: rgb(181, 48,  
97) }
```

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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