

Converting Colors

XYZ(12.1886, 11.0332, 20.2559)

Have a look what the booklet for
XYZ(12.1886, 11.0332, 20.2559)
contains.

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Color

**XYZ(12.2105, 11.0622,
20.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	63587B
RGB	99, 88, 123
RGB Percent	39%, 35%, 48%
CMY	0.6118, 0.6549, 0.5176
CMYK	0.20, 0.28, 0.00, 0.52
HSL	259°, 17%, 41%
HSV	259°, 28%, 48%
XYZ	12.2105, 11.0622, 20.2305
YIQ	95.2790, -4.6790, 13.2170

Conversions

Conversions Part 2

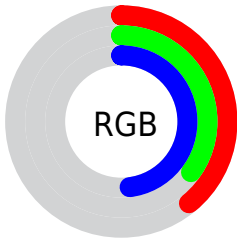
Format	Color
R_{YB}	99, 88, 123
Decimal	6510715
CIE _{Lab}	39.69, 12.27, -18.12
CIE _{LCh}	40, 21.880, 304.109
Yxy	11.0622, 0.2807, 0.2543
Android (android.graphics.Color)	4284700795 (0xFF63587B)
YUV	95.2790, 13.6665, 3.2633
Hunter-Lab	33.2599, 7.3268, -12.7815

Details

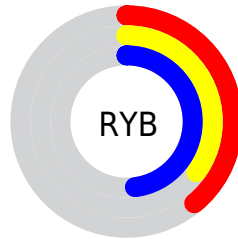
The XYZ color **12.2105, 11.0622, 20.2305** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.5268, 18.3155, 11.9499**, and the grayscale version is **10.9135, 11.4819, 12.5037**.

A 20% lighter version of the original color is **29.5026, 27.7956, 44.8844**, and **3.5161, 2.9522, 6.8631** is the 20% darker color. If you saturate the color by 10%, you get **10.4110, 8.7602, 19.8812**, and if you desaturate by 10%, it is **14.2774, 13.7554, 20.6416**.

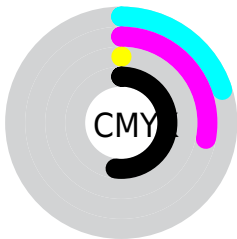
Distribution



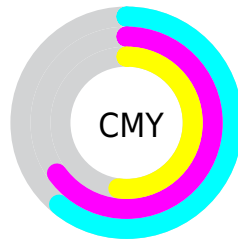
- Red (39%)
- Green (35%)
- Blue (48%)



- Red (39%)
- Yellow (35%)
- Blue (48%)



- Cyan (20%)
- Magenta (28%)
- Yellow (0%)
- Black (52%)



- Cyan (61%)
- Magenta (65%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2105, 11.0622, 20.2305 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 12.2105, 11.0622, 20.2305 by changing the saturation by 10% instead.

■ 12.2105, 11.0622,
20.2305

■ 12.2105, 11.0622,
20.2305

■ 199.5355,
198.0938, 265.8056

■ 6.9604, 6.1087,
12.3770

■ 29.4915, 27.7751,
44.6673

■ 3.4835, 2.9113,
6.8753

■ 42.2530, 40.3033,
62.0877

■ 1.4143, 1.0856,
3.3070

■ 58.2492, 56.1252,
83.5341

■ 0.2664, 0.0000,
1.2534

■ 77.8452, 75.6252,
109.4251

■ 0.0000, 0.0000,
0.0232

■ 101.4065, 99.1876,
140.1792

■ 0.0000, 0.0000,
0.0000

129.2984,

127.1970, 176.2150

161.8863,
160.0375, 217.9509

■ 12.2105, 11.0622,
20.2305

■ 12.2105, 11.0622,
20.2305

■ 10.4110, 8.7602,
19.8812

■ 14.2774, 13.7554,
20.6416

■ 8.8663, 6.8296,
19.5900

■ 16.6213, 16.8559,
21.1165

■ 7.5644, 5.2506,
19.3538

■ 19.2528, 20.3805,
21.6581

■ 6.4917, 4.0010,
19.1691

■ 22.1814, 24.3444,
22.2689

■ 5.6334, 3.0562,
19.0320

■ 25.4163, 28.7623,
22.9511

■ 4.9726, 2.3876,
18.9378

■ 28.9664, 33.6481,
23.7071

■ 4.4694, 1.9217,
18.8744

■ 32.8399, 39.0153,
24.5389

■ 4.3989, 1.8547,
18.8652

■ 37.0450, 44.8764,
25.4486

■ 41.5895, 51.2439,
26.4381

Harmonies

Analogous

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



10.7216, 11.0622, 22.2669



12.2105, 11.0622, 20.2305



13.3189, 11.0622, 16.0104

Triad

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



12.2105, 11.0622, 20.2305



11.8205, 11.0622, 6.0517



7.8992, 11.0622, 12.6445

Complementary

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



12.2105, 11.0622, 20.2305



15.5268, 18.3155, 11.9499

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.



8.1339, 11.0622, 8.7950



12.2105, 11.0622, 20.2305



10.3096, 11.0622, 5.5568

Square

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



12.2105, 11.0622, 20.2305



13.0792, 11.0622, 7.9921



8.9829, 11.0622, 6.4323



8.3087, 11.0622, 17.2779

Rectangle

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



12.2105, 11.0622, 20.2305



13.6416, 11.0622, 12.9100



8.9829, 11.0622, 6.4323



7.9056, 11.0622, 11.2192

Sweetspot

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



12.2109, 11.0627, 20.2307



29.4241, 29.7318, 37.7446



13.4495, 15.2041, 20.9648



6.8023, 6.8328, 8.8634



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.2109, 11.0627, 20.2307



19.7556, 17.1003, 35.8161



14.2677, 12.1230, 20.3270



3.9052, 3.9490, 4.9996



4.5454, 1.9160, 19.5155



20.8949, 8.7337, 93.0543

Inverse Universe

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



14.5831, 12.3607, 16.9468



24.7792, 19.8527, 28.7051



13.5641, 17.3036, 11.8581



4.1034, 4.0571, 4.7422



10.1170, 5.0230, 9.1731



47.8615, 23.8010, 41.6624

Previews

White Background



This preview shows how the XYZ color 12.2105, 11.0622, 20.2305 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 12.2105, 11.0622, 20.2305 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 12.2105, 11.0622, 20.2305

Background



This preview shows how black text looks on a background with the XYZ color 12.2105, 11.0622, 20.2305.

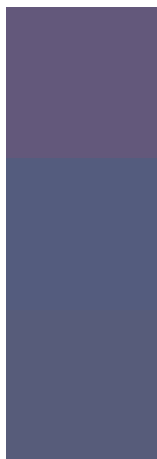


This preview shows how white text looks on a background with the XYZ color 12.2105, 11.0622,

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

12.2105, 11.0622, 20.2305

Protanopia

11.2492, 11.0455, 21.2778

Deuteranopia

11.2705, 11.0857, 19.9581



Tritanopia

10.8467, 11.0073, 13.6095

Trichromacy



Original Color

12.2105, 11.0622, 20.2305

Protanomaly

11.5626, 11.0867, 20.9326

Deuteranomaly

11.5683, 11.1115, 19.9474

Tritanomaly

11.2717, 11.0517, 15.7265

Monochromacy



Original Color

12.2105, 11.0622, 20.2305

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.2008, 11.1610, 14.9285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2105, 11.0622, 20.2305 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(99, 88, 123) looks like.

```
.text, #text, p{  
    color:rgb(99, 88, 123)  
}
```

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(99, 88, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 88, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.2105, 11.0622, 20.2305 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(99, 88, 123) }
```


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

```
.border{ border-color:rgb(99, 88, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 88, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 88, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 88, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 88,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2105, 11.0622, 20.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 88, 123) }
```

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

```
.background{ background-color: rgb(99, 88,  
123) }
```

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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