

Converting Colors

XYZ(23.8521, 12.5729, 11.7711)

Have a look what the booklet for
XYZ(23.8521, 12.5729, 11.7711)
contains.

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Color

**XYZ(23.8539, 12.5798,
11.7606)**

Conversions

Conversions Part 1

Format	Color
Hex	BF195E
RGB	191, 25, 94
RGB Percent	75%, 10%, 37%
CMY	0.2510, 0.9019, 0.6314
CMYK	0.00, 0.87, 0.51, 0.25
HSL	335°, 77%, 42%
HSV	335°, 87%, 75%
XYZ	23.8539, 12.5798, 11.7606
YIQ	82.5000, 76.7870, 56.6510

Conversions

Conversions Part 2

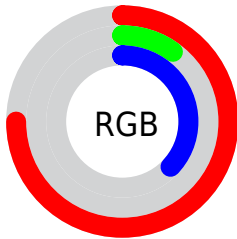
Format	Color
R_{YB}	191, 25, 94
Decimal	12523870
CIE Lab	42.12, 64.86, 4.96
CIE LCh	42, 65.046, 4.378
Yxy	12.5798, 0.4950, 0.2610
Android (android.graphics.Color)	4290713950 (0xFFBF195E)
YUV	82.5000, 5.6695, 95.1545
Hunter-Lab	35.4680, 57.9806, 5.1680

Details

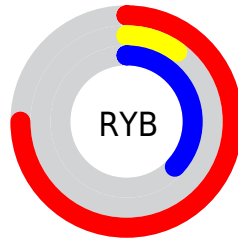
The XYZ color **23.8539, 12.5798, 11.7606** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **22.5461, 38.8740, 24.7332**, and the grayscale version is **8.1005, 8.5224, 9.2809**.

A 20% lighter version of the original color is **49.3692, 30.5506, 29.6804**, and **9.9145, 5.0470, 3.3574** is the 20% darker color. If you saturate the color by 10%, you get **23.1051, 11.8269, 9.2160**, and if you desaturate by 10%, it is **24.9491, 13.9098, 14.7783**.

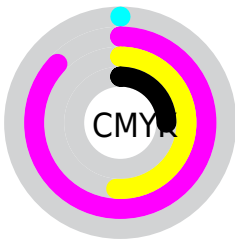
Distribution



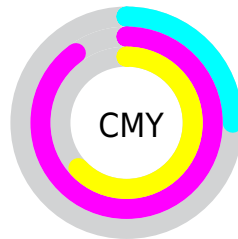
- Red (75%)
- Green (10%)
- Blue (37%)



- Red (75%)
- Yellow (10%)
- Blue (37%)



- Cyan (0%)
- Magenta (87%)
- Yellow (51%)
- Black (25%)





- Cyan (25%)
- Magenta (90%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8539, 12.5798, 11.7606 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 23.8539, 12.5798, 11.7606 by changing the saturation by 10% instead.


 23.8539, 12.5798,
11.7606


 23.8539, 12.5798,
11.7606


264.5352,
208.2068, 213.7353


 15.3494, 7.1398,
6.4603


 49.2481, 30.5468,
29.7162


 9.1529, 3.5497,
3.0537


 66.8685, 43.8426,
43.2086


 4.8990, 1.4250,
1.1221

 88.2583, 60.5258,
60.2687

 2.2222, 0.2350,
0.0000

 113.7828, 80.9808,
81.3152

 0.7544, 0.0000,
0.0000

 143.8074,
105.5921, 106.7666

 0.0000, 0.0000,
0.0000

 178.6975,

134.7439, 137.0413

218.8183,
168.8207, 172.5581

■ 23.8539, 12.5798,
11.7606

■ 23.8539, 12.5798,
11.7606

■ 23.1051, 11.8269,
9.2160

■ 24.9491, 13.9098,
14.7783

■ 22.9110, 11.6464,
8.5103

■ 26.4467, 15.9241,
18.3019

■ 28.3897, 18.7040,
22.3592

■ 30.8147, 22.3189,
26.9755

■ 33.7545, 26.8302,
32.1739

■ 37.2388, 32.2933,
37.9760

■ 41.2948, 38.7595,
44.4023

■ 45.9482, 46.2760,
51.4721

■ 51.2226, 54.8873,
59.2039

Harmonies

Analogous

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



22.4731, 12.5798, 28.7715



23.8539, 12.5798, 11.7606



21.4078, 12.5798, 3.4824

Triad

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



23.8539, 12.5798, 11.7606



7.4314, 12.5798, 1.3709



8.3647, 12.5798, 54.5668

Complementary

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



23.8539, 12.5798, 11.7606



22.5461, 38.8740, 24.7332

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.



5.7998, 12.5798, 34.9512



23.8539, 12.5798, 11.7606



5.3719, 12.5798, 5.0979

Square

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



23.8539, 12.5798, 11.7606



11.2599, 12.5798, 0.5432



4.8673, 12.5798, 15.8357



12.6818, 12.5798, 61.2156

Rectangle

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



23.8539, 12.5798, 11.7606



18.2426, 12.5798, 1.4438



4.8673, 12.5798, 15.8357



7.3113, 12.5798, 48.8292

Sweetspot

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



23.8542, 12.5805, 11.7608



67.0267, 58.3624, 68.5529



17.7555, 8.5836, 50.0111



14.2090, 12.0118, 14.2217



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.



23.8542, 12.5805, 11.7608



40.9194, 20.8131, 14.6398



22.3821, 12.5878, 2.1708



9.6902, 9.6004, 10.7575



15.0950, 7.6691, 5.7937



0.6239, 0.3135, 0.3989

Inverse Universe

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



23.8542, 12.5805, 11.7608



40.9194, 20.8131, 14.6398



25.5607, 35.4792, 54.7911



9.6902, 9.6004, 10.7575



15.0950, 7.6691, 5.7937



0.6239, 0.3135, 0.3989

Previews

White Background



This preview shows how the XYZ color 23.8539, 12.5798, 11.7606 looks on a white background.

Color Contrast Check

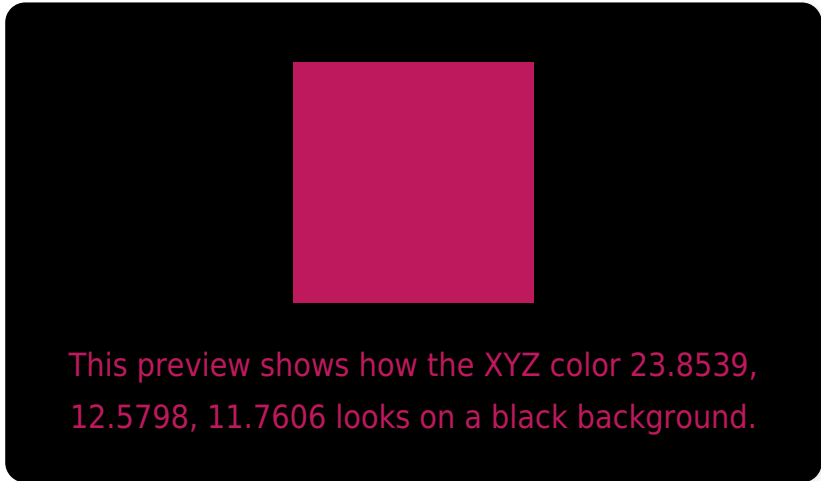
Large Text (above 18pt) WCAG AA ✓ Pass

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

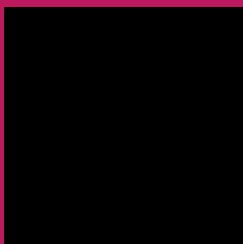
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8539, 12.5798, 11.7606

Background



This preview shows how black text looks on a background with the XYZ color 23.8539, 12.5798, 11.7606.



This preview shows how white text looks on a background with the XYZ color 23.8539, 12.5798,

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

23.8539, 12.5798, 11.7606

Protanopia

13.2044, 13.0831, 24.0196

Deuteranopia

13.1569, 12.9343, 10.6072



Tritanopia

22.3048, 12.7284, 3.6641

Trichromacy



Original Color

23.8539, 12.5798, 11.7606

Protanomaly

14.6144, 10.6862, 18.7451

Deuteranomaly

15.3841, 11.0674, 10.7766

Tritanomaly

22.7356, 12.5567, 5.7828

Monochromacy



Original Color

23.8539, 12.5798, 11.7606

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

11.4690, 8.2709, 10.0088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8539, 12.5798, 11.7606 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(191, 25, 94)` looks like.

```
.text, #text, p{  
  color:rgb(191, 25, 94)  
}
```

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(191, 25, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 25, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.8539, 12.5798, 11.7606 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(191, 25, 94) }
```


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

```
.border{ border-color:rgb(191, 25, 94) }
```

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

Here you see how a box with a 4 pixel rgb(191, 25, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 25, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 25, 94);  
box-shadow:4px 4px 4px 4px rgb(191, 25,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8539, 12.5798, 11.7606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 25, 94) }
```

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

```
.background{ background-color: rgb(191, 25,  
94) }
```

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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