

Converting Colors

XYZ(24.0701, 11.9715, 20.8751)

Have a look what the booklet for
XYZ(24.0701, 11.9715, 20.8751)
contains.

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Color

**XYZ(24.0156, 11.9455,
20.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	BA007E
RGB	186, 0, 126
RGB Percent	73%, 0%, 49%
CMY	0.2706, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.32, 0.27
HSL	319°, 100%, 36%
HSV	319°, 100%, 73%
XYZ	24.0156, 11.9455, 20.7786
YIQ	69.9780, 70.4100, 78.6180

Conversions

Conversions Part 2

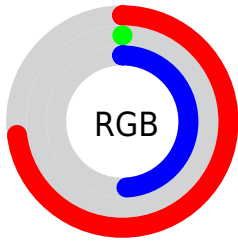
Format	Color
R_{YB}	186, 0, 126
Decimal	12189822
CIE _{Lab}	41.13, 69.85, -16.65
CIE _{LCh}	41, 71.807, 346.595
Yxy	11.9455, 0.4233, 0.2105
Android (android.graphics.Color)	4290379902 (0xFFBA007E)
YUV	69.9780, 27.6188, 101.7513
Hunter-Lab	34.5623, 63.5468, -11.4512

Details

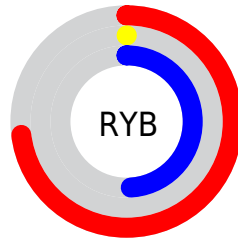
The XYZ color **24.0156, 11.9455, 20.7786** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.3758, 35.4446, 10.1524**, and the grayscale version is **5.7682, 6.0686, 6.6087**.

A 20% lighter version of the original color is **49.3912, 29.3445, 45.7087**, and **10.0920, 5.0478, 7.4636** is the 20% darker color. If you saturate the color by 10%, you get **24.0150, 11.9452, 20.7752**, and if you desaturate by 10%, it is **24.6413, 12.5585, 22.9555**.

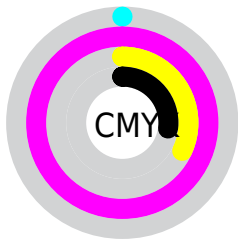
Distribution



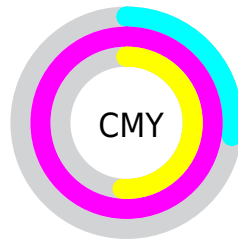
- Red (73%)
- Green (0%)
- Blue (49%)



- Red (73%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0156, 11.9455, 20.7786 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 24.0156, 11.9455, 20.7786 by changing the saturation by 10% instead.


 24.0156, 11.9455,
20.7786


 24.0156, 11.9455,
20.7786


265.3383,
204.0442, 268.8418


 15.4700, 6.7066,
12.7726


 49.5101, 29.3958,
45.5948


 9.2384, 3.2793,
7.1433

 67.1898, 42.3760,
63.2420

 4.9553, 1.2792,
3.4721

 88.6448, 58.7054,
84.9401

 2.2556, 0.1250,
1.3404

 114.2406, 78.7683,
111.1075

 0.7718, 0.0000,
0.0946

 144.3425,
102.9493, 142.1629

 0.0000, 0.0000,
0.0000

 179.3159,

131.6327, 178.5247

219.5260,
165.2028, 220.6115

■ 24.0156, 11.9455,
20.7786

■ 24.0156, 11.9455,
20.7786

■ 24.0150, 11.9452,
20.7752

■ 24.6413, 12.5585,
22.9555

■ 25.5061, 13.6118,
25.3286

■ 26.6900, 15.2649,
27.9266

■ 28.2328, 17.5967,
30.7644

■ 30.1681, 20.6739,
33.8553

■ 32.5255, 24.5552,
37.2107

■ 35.3318, 29.2936,
40.8414

■ 38.6114, 34.9372,
44.7572

■ 42.3869, 41.5307,
48.9672

Harmonies

Analogous

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



20.2067, 11.9455, 43.9800



24.0156, 11.9455, 20.7786



23.7805, 11.9455, 6.4564

Triad

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



24.0156, 11.9455, 20.7786



8.7467, 11.9455, 0.1466



5.8050, 11.9455, 46.5513

Complementary

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



24.0156, 11.9455, 20.7786



18.3758, 35.4446, 10.1524

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.



4.2474, 11.9455, 22.9400



24.0156, 11.9455, 20.7786



5.5585, 11.9455, 1.6167

Square

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



24.0156, 11.9455, 20.7786



13.8157, 11.9455, 0.0743



4.1735, 11.9455, 7.4637



9.2033, 11.9455, 64.9391

Rectangle

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



24.0156, 11.9455, 20.7786



21.3410, 11.9455, 2.3508



4.1735, 11.9455, 7.4637



5.1006, 11.9455, 38.4027

Sweetspot

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



24.0160, 11.9462, 20.7788



63.7592, 52.6159, 73.6770



10.6623, 4.4733, 46.7559



13.5477, 10.7501, 15.5995



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0160, 11.9462, 20.7788



43.4130, 21.6052, 37.0475



20.5406, 10.5560, 2.4778



9.2543, 9.1121, 10.6867



16.1919, 8.0505, 14.1634



0.5978, 0.2946, 0.6415

Inverse Universe

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



24.0160, 11.9462, 20.7788



43.4130, 21.6052, 37.0475



23.2191, 37.3820, 35.6570



9.2543, 9.1121, 10.6867



16.1919, 8.0505, 14.1634



0.5978, 0.2946, 0.6415

Previews

White Background



This preview shows how the XYZ color 24.0156, 11.9455, 20.7786 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 24.0156, 11.9455, 20.7786 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 24.0156, 11.9455, 20.7786

Background



This preview shows how black text looks on a background with the XYZ color 24.0156, 11.9455, 20.7786.



This preview shows how white text looks on a background with the XYZ color 24.0156, 11.9455,

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

24.0156, 11.9455, 20.7786

Protanopia

14.3165, 12.7745, 44.8912

Deuteranopia

12.8002, 12.5667, 18.8905



Tritanopia

20.8165, 12.3529, 4.5360

Trichromacy



Original Color

24.0156, 11.9455, 20.7786



Protanomaly

13.8935, 8.9866, 34.2600



Deuteranomaly

14.5339, 9.6510, 19.1860



Tritanomaly

21.4562, 11.6648, 8.5178

Monochromacy



Original Color

24.0156, 11.9455, 20.7786



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4659, 6.0597, 10.3436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0156, 11.9455, 20.7786 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(186, 0, 126)` looks like.

```
.text, #text, p{  
  color:rgb(186, 0, 126)  
}
```

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(186, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 24.0156, 11.9455, 20.7786 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(186, 0, 126) }
```


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

```
.border{ border-color:rgb(186, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0156, 11.9455, 20.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 126) }
```

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

```
.background{ background-color: rgb(186, 0,  
126) }
```

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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