

Converting Colors

XYZ(24.2950, 12.0614, 22.0598)

Have a look what the booklet for
XYZ(24.2950, 12.0614, 22.0598)
contains.

XYZ(24.2790, 12.0508, 22.1655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2790, 12.0508,
22.1655)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0082
RGB	186, 0, 130
RGB Percent	73%, 0%, 51%
CMY	0.2706, 0.9999, 0.4902
CMYK	0.00, 1.00, 0.30, 0.27
HSL	318°, 100%, 36%
HSV	318°, 100%, 73%
XYZ	24.2790, 12.0508, 22.1655
YIQ	70.4340, 69.1260, 79.8620

Conversions

Conversions Part 2

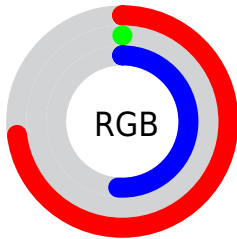
Format	Color
RYB	186, 0, 130
Decimal	12189826
CIELab	41.30, 70.28, -18.87
CIElCh	41, 72.769, 344.974
Yxy	12.0508, 0.4151, 0.2060
Android (android.graphics.Color)	4290379906 (0xFFBA0082)
YUV	70.4340, 29.3660, 101.3514
Hunter-Lab	34.7143, 64.0921, -13.5574

Details

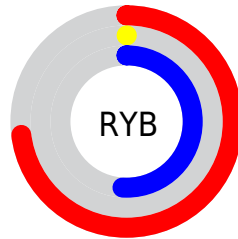
The XYZ color **24.2790, 12.0508, 22.1655** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.2738, 35.4040, 9.6154**, and the grayscale version is **5.8408, 6.1450, 6.6919**.

A 20% lighter version of the original color is **49.8018, 29.5087, 47.8707**, and **10.2004, 5.0912, 8.0345** is the 20% darker color. If you saturate the color by 10%, you get **24.2785, 12.0506, 22.1627**, and if you desaturate by 10%, it is **24.8920, 12.6586, 24.2756**.

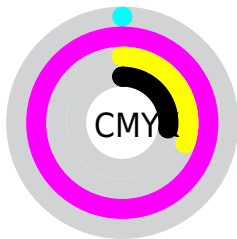
Distribution



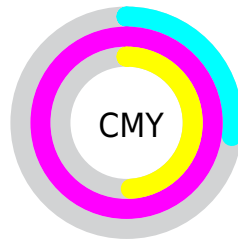
- Red (73%)
- Green (0%)
- Blue (51%)



- Red (73%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2790, 12.0508, 22.1655 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 24.2790, 12.0508, 22.1655 by changing the saturation by 10% instead.

■ 24.2790, 12.0508,
22.1655

■ 24.2790, 12.0508,
22.1655

266.6424,
204.7413, 276.3910

■ 15.6666, 6.7783,
13.7791

■ 49.9365, 29.5876,
47.9251

■ 9.3779, 3.3238,
7.8302

■ 67.7122, 42.6207,
66.1353

■ 5.0475, 1.3030,
3.9003

■ 89.2731, 59.0094,
88.4572

■ 2.3102, 0.1436,
1.5708

■ 114.9845, 79.1381,
115.3094

■ 0.7999, 0.0000,
0.2698

■ 145.2118,
103.3913, 147.1103

■ 0.0000, 0.0000,
0.0000

■ 180.3203,

132.1533, 184.2785

220.6754,
165.8085, 227.2325

■ 24.2790, 12.0508,
22.1655

■ 24.2790, 12.0508,
22.1655

■ 24.2785, 12.0506,
22.1627

■ 24.8920, 12.6586,
24.2756

■ 25.7412, 13.7056,
26.5669

■ 26.9066, 15.3512,
29.0677

■ 28.4279, 17.6743,
31.7926

■ 30.3385, 20.7415,
34.7543

■ 32.6682, 24.6116,
37.9641

■ 35.4436, 29.3374,
41.4323

■ 38.6889, 34.9672,
45.1683

■ 42.4269, 41.5456,
49.1811

Harmonies

Analogous

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



20.2036, 12.0508, 46.1796



24.2790, 12.0508, 22.1655



24.2829, 12.0508, 6.9646

Triad

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



24.2790, 12.0508, 22.1655



9.0320, 12.0508, 0.0632



5.6807, 12.0508, 46.1371

Complementary

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



24.2790, 12.0508, 22.1655



18.2738, 35.4040, 9.6154

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.



4.1930, 12.0508, 22.1300



24.2790, 12.0508, 22.1655



5.6848, 12.0508, 1.4411

Square

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



24.2790, 12.0508, 22.1655



14.2843, 12.0508, 0.0644



4.1942, 12.0508, 6.9482



9.0245, 12.0508, 65.7742

Rectangle

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



24.2790, 12.0508, 22.1655



21.9143, 12.0508, 2.5306



4.1942, 12.0508, 6.9482



4.9995, 12.0508, 37.7478

Sweetspot

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



24.2794, 12.0515, 22.1657



63.9658, 52.6986, 74.7651



10.4841, 4.3813, 46.7477



13.5985, 10.7704, 15.8673



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.



24.2794, 12.0515, 22.1657



43.8938, 21.7975, 39.5797



20.5875, 10.5747, 2.7246



9.2626, 9.1154, 10.7303



16.3681, 8.1210, 15.0913



0.6030, 0.2967, 0.6689

Inverse Universe

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



24.2794, 12.0515, 22.1657



43.8938, 21.7975, 39.5797



22.9687, 37.2819, 34.3381



9.2626, 9.1154, 10.7303



16.3681, 8.1210, 15.0913



0.6030, 0.2967, 0.6689

Previews

White Background



This preview shows how the XYZ color 24.2790, 12.0508, 22.1655 looks on a white background.

Color Contrast Check

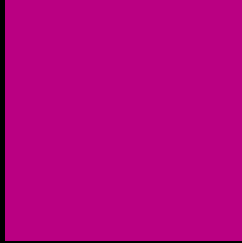
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2790, 12.0508, 22.1655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

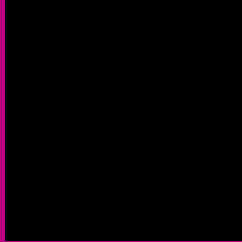
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2790, 12.0508, 22.1655

Background



This preview shows how black text looks on a background with the XYZ color 24.2790, 12.0508, 22.1655.



This preview shows how white text looks on a background with the XYZ color 24.2790, 12.0508,

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

24.2790, 12.0508, 22.1655

Protanopia

14.5530, 12.8364, 47.6096

Deuteranopia

12.9645, 12.7685, 19.8704



Tritanopia

20.9057, 12.4578, 4.7928

Trichromacy



Original Color

24.2790, 12.0508, 22.1655



Protanomaly

13.9936, 8.9866, 36.5944



Deuteranomaly

14.7208, 9.7258, 20.1702



Tritanomaly

21.5679, 11.7095, 9.1060

Monochromacy



Original Color

24.2790, 12.0508, 22.1655



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5522, 6.0942, 10.7981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2790, 12.0508, 22.1655 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 24.2790, 12.0508, 22.1655 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, 130) }
```


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

```
.border{ border-color:rgb(186, 0, 130) }
```

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, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2790, 12.0508, 22.1655 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, 130) }
```

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

```
.background{ background-color: rgb(186, 0,  
130) }
```

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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