

Converting Colors

XYZ(23.8417, 10.1877, 29.2865)

Have a look what the booklet for
XYZ(23.8417, 10.1877, 29.2865)
contains.

XYZ(24.7162, 12.1150, 29.4695)	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(24.7162, 12.1150,
29.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	B60095
RGB	182, 0, 149
RGB Percent	71%, 0%, 58%
CMY	0.2863, 0.9999, 0.4157
CMYK	0.00, 1.00, 0.18, 0.29
HSL	311°, 100%, 36%
HSV	311°, 100%, 71%
XYZ	24.7162, 12.1150, 29.4695
YIQ	71.4040, 60.6430, 84.9230

Conversions

Conversions Part 2

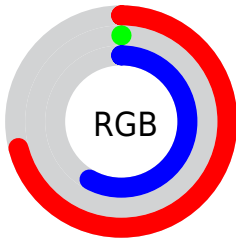
Format	Color
R_{YB}	182, 0, 149
Decimal	11927701
CIE _{Lab}	41.40, 71.74, -30.41
CIE _{LCh}	41, 77.914, 337.029
Yxy	12.1150, 0.3728, 0.1827
Android (android.graphics.Color)	4290117781 (0xFFB60095)
YUV	71.4040, 38.2548, 96.9927
Hunter-Lab	34.8066, 65.8414, -25.8341

Details

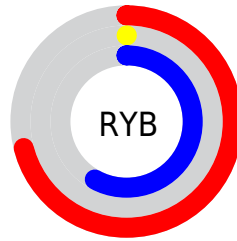
The XYZ color **24.7162, 12.1150, 29.4695** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.0032, 33.5662, 7.0235**, and the grayscale version is **5.9900, 6.3019, 6.8628**.

A 20% lighter version of the original color is **50.6459, 29.6860, 59.5606**, and **10.5168, 5.1669, 11.9983** is the 20% darker color. If you saturate the color by 10%, you get **24.7160, 12.1149, 29.4677**, and if you desaturate by 10%, it is **25.2037, 12.6620, 30.9507**.

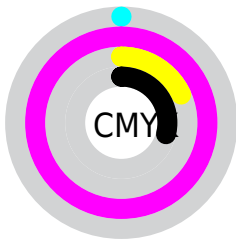
Distribution



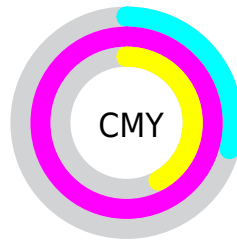
- Red (71%)
- Green (0%)
- Blue (58%)



- Red (71%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7162, 12.1150, 29.4695 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 24.7162, 12.1150, 29.4695 by changing the saturation by 10% instead.

■ 24.7162, 12.1150,
29.4695

■ 24.7162, 12.1150,
29.4695

268.7954,
205.1651, 313.5538

■ 15.9933, 6.8220,
19.1876

■ 50.6427, 29.7044,
59.8733

■ 9.6103, 3.3511,
11.6278

■ 68.5770, 42.7696,
80.8322

■ 5.2016, 1.3176,
6.3713

■ 90.3125, 59.1944,
106.1874

■ 2.4020, 0.1548,
2.9997

■ 116.2145, 79.3631,
136.3571

■ 0.8461, 0.0000,
1.0945

■ 146.6485,
103.6601, 171.7601

■ 0.0000, 0.0000,
0.0000

■ 181.9797,

132.4699, 212.8149

222.5736,
166.1767, 259.9399

■ 24.7162, 12.1150,
29.4695

■ 24.7162, 12.1150,
29.4695

■ 24.7160, 12.1149,
29.4677

■ 25.2037, 12.6620,
30.9507

■ 25.9024, 13.6196,
32.5394

■ 26.8895, 15.1419,
34.2616

■ 28.2022, 17.3032,
36.1302

■ 29.8722, 20.1667,
38.1558

■ 31.9272, 23.7878,
40.3481

■ 34.3924, 28.2167,
42.7156

■ 37.2905, 33.4988,
45.2664

■ 40.6427, 39.6765,
48.0076

Harmonies

Analogous

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



19.3875, 12.1150, 56.9739



24.7162, 12.1150, 29.4695



26.0386, 12.1150, 9.7341

Triad

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



24.7162, 12.1150, 29.4695



10.2344, 12.1150, 0.0000



4.8304, 12.1150, 42.2563

Complementary

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



24.7162, 12.1150, 29.4695



17.0032, 33.5662, 7.0235

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.



3.7409, 12.1150, 17.3828



24.7162, 12.1150, 29.4695



6.1274, 12.1150, 0.6414

Square

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



24.7162, 12.1150, 29.4695



16.3039, 12.1150, 0.0000



4.1222, 12.1150, 4.3852



7.7696, 12.1150, 67.6953

Rectangle

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



24.7162, 12.1150, 29.4695



24.1785, 12.1150, 3.4940



4.1222, 12.1150, 4.3852



4.2885, 12.1150, 33.0199

Sweetspot

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



24.7166, 12.1156, 29.4697



62.1005, 50.6999, 77.2106



8.9897, 3.6594, 44.4887



13.2842, 10.4192, 16.6477



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.7166, 12.1156, 29.4697



44.7290, 21.9319, 52.9996



20.1256, 10.2792, 5.2937



9.3092, 9.1340, 10.9755



17.4765, 8.5643, 20.9276



0.6345, 0.3093, 0.8349

Inverse Universe

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



24.7166, 12.1156, 29.4697



44.7290, 21.9319, 52.9996



20.2006, 34.8451, 23.8605



9.3092, 9.1340, 10.9755



17.4765, 8.5643, 20.9276



0.6345, 0.3093, 0.8349

Previews

White Background



This preview shows how the XYZ color 24.7162, 12.1150, 29.4695 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

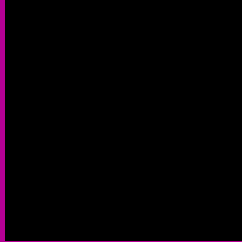
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7162, 12.1150, 29.4695

Background



This preview shows how black text looks on a background with the XYZ color 24.7162, 12.1150, 29.4695.



This preview shows how white text looks on a background with the XYZ color 24.7162, 12.1150,

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

24.7162, 12.1150, 29.4695

Protanopia

15.2023, 12.7735, 59.4219

Deuteranopia

13.1259, 12.8434, 26.5981



Tritanopia

20.1127, 12.5897, 5.9274

Trichromacy



Original Color

24.7162, 12.1150, 29.4695



Protanomaly

12.6725, 7.9985, 46.7749



Deuteranomaly

14.7615, 9.6758, 27.0762



Tritanomaly

21.0736, 11.6594, 11.7295

Monochromacy



Original Color

24.7162, 12.1150, 29.4695



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7461, 6.1571, 12.4792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7162, 12.1150, 29.4695 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(182, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 149)  
}
```

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(182, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 149) }
```

Border

The CSS property to change the border of an element to XYZ 24.7162, 12.1150, 29.4695 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(182, 0, 149) }
```


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

```
.border{ border-color:rgb(182, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7162, 12.1150, 29.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 149) }
```

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

```
.background{ background-color: rgb(182, 0,  
149) }
```

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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