

Converting Colors

XYZ(24.3093, 11.7248, 37.6045)

Have a look what the booklet for
XYZ(24.3093, 11.7248, 37.6045)
contains.

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Color

**XYZ(24.2086, 11.6743,
37.5366)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00A7
RGB	173, 0, 167
RGB Percent	68%, 0%, 65%
CMY	0.3216, 0.9999, 0.3451
CMYK	0.00, 1.00, 0.03, 0.32
HSL	302°, 100%, 34%
HSV	302°, 100%, 68%
XYZ	24.2086, 11.6743, 37.5366
YIQ	70.7650, 49.5010, 88.6130

Conversions

Conversions Part 2

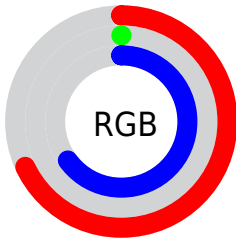
Format	Color
RYB	173, 0, 167
Decimal	11337895
CIELab	40.69, 72.57, -42.49
CIElCh	41, 84.096, 329.653
Yxy	11.6743, 0.3297, 0.1590
Android (android.graphics.Color)	4289527975 (0xFFAD00A7)
YUV	70.7650, 47.4439, 89.6601
Hunter-Lab	34.1677, 66.6780, -41.2186

Details

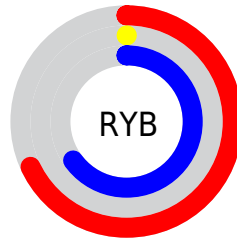
The XYZ color **24.2086, 11.6743, 37.5366** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9770, 29.9008, 5.1550**, and the grayscale version is **5.8688, 6.1744, 6.7239**.

A 20% lighter version of the original color is **49.7683, 28.8242, 72.7526**, and **10.2397, 4.9279, 16.3311** is the 20% darker color. If you saturate the color by 10%, you get **24.2087, 11.6743, 37.5363**, and if you desaturate by 10%, it is **24.4699, 12.1076, 37.8982**.

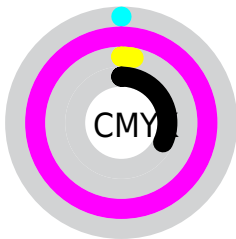
Distribution



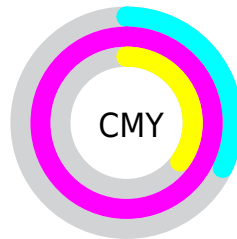
- Red (68%)
- Green (0%)
- Blue (65%)



- Red (68%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (32%)




- Cyan (32%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2086, 11.6743, 37.5366 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 24.2086, 11.6743, 37.5366 by changing the saturation by 10% instead.


 24.2086, 11.6743,
37.5366

 24.2086, 11.6743,
37.5366


266.2943,
202.2370, 350.8663


 15.6140, 6.5223,
25.3242


 49.8226, 28.9005,
72.5928


 9.3405, 3.1652,
16.0975


 67.5727, 41.7435,
96.2737


 5.0228, 1.2186,
9.4381


 89.1054, 57.9190,
124.6146

 2.2956, 0.0768,
4.9273

 114.7859, 77.8113,
158.0338

 0.7924, 0.0000,
2.1467

 144.9797,
101.8048, 196.9501

 0.0000, 0.0000,
0.6434

 180.0522,

 0.0000, 0.0000,

130.2841, 241.7819

0.0000

220.3686,
163.6333, 292.9478

■ 24.2086, 11.6743,
37.5366

■ 24.2086, 11.6743,
37.5366

■ 24.2087, 11.6743,
37.5363

■ 24.4699, 12.1076,
37.8982

■ 24.9103, 12.8990,
38.3206

■ 25.6010, 14.1906,
38.8278

■ 26.5748, 16.0478,
39.4306

■ 27.8593, 18.5262,
40.1382

■ 29.4790, 21.6746,
40.9589

■ 31.4561, 25.5371,
41.8999

■ 33.8105, 30.1541,
42.9681

■ 36.5610, 35.5627,
44.1695

Harmonies

Analogous

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



17.7833, 11.6743, 67.8529



24.2086, 11.6743, 37.5366



26.9458, 11.6743, 12.9113

Triad

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



24.2086, 11.6743, 37.5366



11.1657, 11.6743, 0.0000



3.8212, 11.6743, 36.8318

Complementary

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



24.2086, 11.6743, 37.5366



14.9770, 29.9008, 5.1550

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.



3.1306, 11.6743, 12.5134



24.2086, 11.6743, 37.5366



6.3387, 11.6743, 0.0000

Square

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



24.2086, 11.6743, 37.5366



17.9486, 11.6743, 0.0000



3.8554, 11.6743, 2.2966



6.2562, 11.6743, 67.2470

Rectangle

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



24.2086, 11.6743, 37.5366



25.7585, 11.6743, 4.5621



3.8554, 11.6743, 2.2966



3.4264, 11.6743, 27.2457

Sweetspot

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



24.2091, 11.6749, 37.5368



56.1286, 45.3297, 74.9439



7.6156, 3.0550, 39.7238



11.8707, 9.2111, 16.1332



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.2091, 11.6749, 37.5368



43.3390, 20.9011, 67.1339



18.7097, 9.4751, 8.5775



8.3249, 8.1432, 10.0217



17.7893, 8.5783, 27.5997



0.4985, 0.2401, 0.7869

Inverse Universe

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



24.2091, 11.6749, 37.5368



43.3390, 20.9011, 67.1339



16.8879, 30.6652, 15.2179



8.3249, 8.1432, 10.0217



17.7893, 8.5783, 27.5997



0.4985, 0.2401, 0.7869

Previews

White Background



This preview shows how the XYZ color 24.2086, 11.6743, 37.5366 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 24.2086, 11.6743, 37.5366 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 24.2086, 11.6743, 37.5366

Background



This preview shows how black text looks on a background with the XYZ color 24.2086, 11.6743, 37.5366.



This preview shows how white text looks on a background with the XYZ color 24.2086, 11.6743,

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

24.2086, 11.6743, 37.5366

Deuteranopia

12.7276, 12.4818, 33.6367

Tritanopia

18.1580, 12.1252, 7.1777

Trichromacy



Original Color

24.2086, 11.6743, 37.5366

Deuteranomaly

13.9194, 9.0713, 34.7355

Tritanomaly

19.3141, 10.8913, 14.4489

Monochromacy



Original Color

24.2086, 11.6743, 37.5366

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.7242, 6.1055, 14.3016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2086, 11.6743, 37.5366 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(173, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 167)  
}
```

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(173, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.2086, 11.6743, 37.5366 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(173, 0, 167) }
```

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

```
.border{ border-color:rgb(173, 0, 167) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
167) }
```


Background

The CSS property to change the background color of an element to XYZ 24.2086, 11.6743, 37.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 167) }
```

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

```
.background{ background-color: rgb(173, 0,  
167) }
```

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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