

Converting Colors

XYZ(24.2137, 12.5303, 9.7899)

Have a look what the booklet for
XYZ(24.2137, 12.5303, 9.7899)
contains.

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Color

**XYZ(24.3024, 12.5721,
9.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	C30E55
RGB	195, 14, 85
RGB Percent	76%, 5%, 33%
CMY	0.2353, 0.9450, 0.6667
CMYK	0.00, 0.93, 0.56, 0.24
HSL	336°, 87%, 41%
HSV	336°, 93%, 76%
XYZ	24.3024, 12.5721, 9.7401
YIQ	76.2130, 85.0850, 60.4530

Conversions

Conversions Part 2

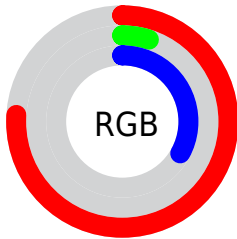
Format	Color
R_{YB}	195, 14, 85
Decimal	12783189
CIE Lab	42.11, 66.87, 10.75
CIE LCh	42, 67.729, 9.128
Yxy	12.5721, 0.5213, 0.2697
Android (android.graphics.Color)	4290973269 (0xFFC30E55)
YUV	76.2130, 4.3320, 104.1762
Hunter-Lab	35.4572, 60.2942, 8.5330

Details

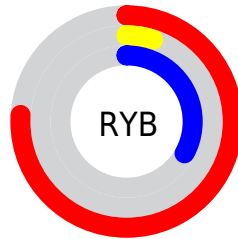
The XYZ color **24.3024, 12.5721, 9.7401** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.3367, 40.5796, 25.6820**, and the grayscale version is **6.8931, 7.2521, 7.8975**.

A 20% lighter version of the original color is **49.1155, 30.1260, 25.7805**, and **10.2318, 5.2284, 2.5677** is the 20% darker color. If you saturate the color by 10%, you get **23.8265, 12.1304, 8.0092**, and if you desaturate by 10%, it is **25.2151, 13.5799, 12.5656**.

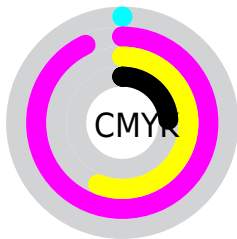
Distribution



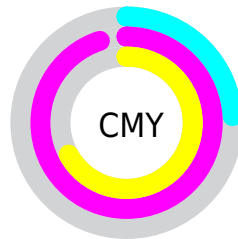
- Red (76%)
- Green (5%)
- Blue (33%)



- Red (76%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (93%)
- Yellow (56%)
- Black (24%)





- Cyan (24%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3024, 12.5721, 9.7401 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 24.3024, 12.5721, 9.7401 by changing the saturation by 10% instead.


 24.3024, 12.5721,
9.7401


 24.3024, 12.5721,
9.7401


266.7580,
208.1568, 199.2239


 15.6840, 7.1346,
5.1236


 49.9743, 30.5329,
25.9056


 9.3903, 3.5464,
2.2600


 67.7586, 43.8249,
38.2918

 5.0558, 1.4232,
0.7087

 89.3289, 60.5039,
54.1049

 2.3151, 0.2337,
0.0000

 115.0505, 80.9542,
73.7635

 0.8024, 0.0000,
0.0000

 145.2889,
105.5602, 97.6862

 0.0000, 0.0000,
0.0000

 180.4094,

134.7064, 126.2914

220.7773,
168.7772, 159.9978

■ 24.3024, 12.5721,
9.7401

■ 24.3024, 12.5721,
9.7401

■ 23.8265, 12.1304,
8.0092

■ 25.2151, 13.5799,
12.5656

■ 26.5246, 15.2490,
15.9305

■ 28.2817, 17.6756,
19.8688

■ 30.5286, 20.9391,
24.4104

■ 33.3025, 25.1091,
29.5830

■ 36.6369, 30.2475,
35.4120

■ 40.5621, 36.4110,
41.9215

■ 45.1065, 43.6516,
49.1339

■ 50.2963, 52.0179,
57.0708

Harmonies

Analogous

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



23.4877, 12.5721, 26.1526



24.3024, 12.5721, 9.7401



21.1563, 12.5721, 2.5808

Triad

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



24.3024, 12.5721, 9.7401



6.8168, 12.5721, 1.4727



8.8179, 12.5721, 59.4620

Complementary

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



24.3024, 12.5721, 9.7401



23.3367, 40.5796, 25.6820

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.



5.8970, 12.5721, 39.7439



24.3024, 12.5721, 9.7401



4.9878, 12.5721, 5.9892

Square

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



24.3024, 12.5721, 9.7401



10.4766, 12.5721, 0.4009



4.7066, 12.5721, 18.5823



13.5541, 12.5721, 63.4621

Rectangle

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



24.3024, 12.5721, 9.7401



17.6452, 12.5721, 1.0126



4.7066, 12.5721, 18.5823



7.6338, 12.5721, 54.0159

Sweetspot

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



24.3027, 12.5729, 9.7403



68.5564, 58.7663, 68.3661



18.1208, 8.4375, 52.3030



14.3654, 11.8570, 13.8820



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.3027, 12.5729, 9.7403



42.5602, 21.6804, 13.7461



23.1050, 12.6738, 1.6451



10.2331, 10.1418, 11.3180



15.5247, 7.8996, 5.4092



0.7047, 0.3549, 0.4121

Inverse Universe

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



24.3027, 12.5729, 9.7403



42.5602, 21.6804, 13.7461



25.7348, 35.4396, 57.1136



10.2331, 10.1418, 11.3180



15.5247, 7.8996, 5.4092



0.7047, 0.3549, 0.4121

Previews

White Background



This preview shows how the XYZ color 24.3024, 12.5721, 9.7401 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 24.3024, 12.5721, 9.7401

Background



This preview shows how black text looks on a background with the XYZ color 24.3024, 12.5721, 9.7401.



This preview shows how white text looks on a background with the XYZ color 24.3024, 12.5721,

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

24.3024, 12.5721, 9.7401

Protanopia

12.9562, 13.0312, 20.5713

Deuteranopia

13.2220, 13.0071, 8.8349



Tritanopia

22.9266, 12.7206, 2.8371

Trichromacy



Original Color

24.3024, 12.5721, 9.7401

Protanomaly

14.4042, 10.2659, 15.6903

Deuteranomaly

15.4877, 10.7965, 8.8571

Tritanomaly

23.3060, 12.5569, 4.5635

Monochromacy



Original Color

24.3024, 12.5721, 9.7401

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.2921, 7.0327, 8.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3024, 12.5721, 9.7401 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(195, 14, 85)` looks like.

```
.text, #text, p{  
    color:rgb(195, 14, 85)  
}
```

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(195, 14, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 14, 85) }
```

Border

The CSS property to change the border of an element to XYZ 24.3024, 12.5721, 9.7401 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(195, 14, 85) }
```


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

```
.border{ border-color:rgb(195, 14, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 14, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 14, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 14, 85);  
box-shadow:4px 4px 4px 4px rgb(195, 14,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3024, 12.5721, 9.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 14, 85) }
```

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

```
.background{ background-color: rgb(195, 14,  
85) }
```

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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