

Converting Colors

XYZ(24.6324, 12.9353, 25.2432)

Have a look what the booklet for
XYZ(24.6324, 12.9353, 25.2432)
contains.

XYZ(24.6324, 12.9353, 25.2432)	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(24.6324, 12.9353,
25.2432)**

Conversions

Conversions Part 1

Format	Color
Hex	B7208A
RGB	183, 32, 138
RGB Percent	72%, 13%, 54%
CMY	0.2824, 0.8745, 0.4588
CMYK	0.00, 0.83, 0.25, 0.28
HSL	318°, 70%, 42%
HSV	318°, 83%, 72%
XYZ	24.6324, 12.9353, 25.2432
YIQ	89.2330, 55.9700, 64.9780

Conversions

Conversions Part 2

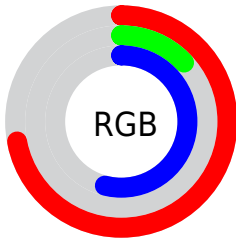
Format	Color
R_{YB}	183, 32, 138
Decimal	12001418
CIE _{Lab}	42.67, 65.91, -21.72
CIE _{LCh}	43, 69.398, 341.764
Yxy	12.9353, 0.3922, 0.2059
Android (android.graphics.Color)	4290191498 (0xFFB7208A)
YUV	89.2330, 24.0421, 82.2337
Hunter-Lab	35.9657, 59.3123, -16.4378

Details

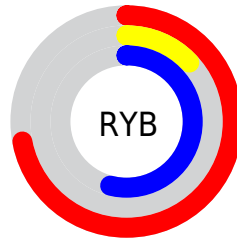
The XYZ color **24.6324, 12.9353, 25.2432** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.8696, 34.7104, 12.7287**, and the grayscale version is **9.4881, 9.9823, 10.8707**.

A 20% lighter version of the original color is **50.6594, 31.2262, 53.2264**, and **10.2189, 5.0646, 9.6715** is the 20% darker color. If you saturate the color by 10%, you get **23.8841, 12.0546, 23.0942**, and if you desaturate by 10%, it is **25.6749, 14.3723, 27.5883**.

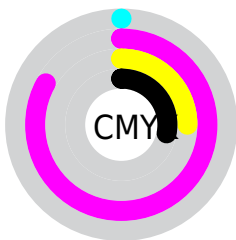
Distribution



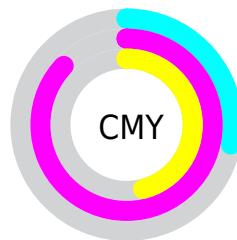
- Red (72%)
- Green (13%)
- Blue (54%)



- Red (72%)
- Yellow (13%)
- Blue (54%)



- Cyan (0%)
- Magenta (83%)
- Yellow (25%)
- Black (28%)





- Cyan (28%)
- Magenta (87%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6324, 12.9353, 25.2432 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 24.6324, 12.9353, 25.2432 by changing the saturation by 10% instead.

 24.6324, 12.9353,
25.2432


 24.6324, 12.9353,
25.2432


268.3838,
210.5026, 292.5333


 15.9307, 7.3840,
16.0377


 50.5074, 31.1875,
53.0205


 9.5656, 3.7034,
9.3962


 68.4115, 44.6572,
72.4293


 5.1720, 1.5091,
4.9002

 90.1136, 61.5352,
96.0764

 2.3843, 0.2951,
2.1311

 115.9792, 82.2058,
124.3801

 0.8373, 0.0000,
0.6342

 146.3737,
107.0534, 157.7592

 0.0000, 0.0000,
0.0000

 181.6624,

136.4625, 196.6320

222.2107,
170.8174, 241.4172

■ 24.6324, 12.9353,
25.2432

■ 24.6324, 12.9353,
25.2432

■ 23.8841, 12.0546,
23.0942

■ 25.6749, 14.3723,
27.5883

■ 23.4551, 11.6380,
21.5911

■ 27.0504, 16.4430,
30.1435

■ 28.7926, 19.2147,
32.9216

■ 30.9309, 22.7454,
35.9337

■ 33.4914, 27.0872,
39.1898

■ 36.4981, 32.2873,
42.6991

■ 39.9730, 38.3896,
46.4703

■ 43.9367, 45.4347,
50.5114

■ 48.4085, 53.4609,
54.8302

Harmonies

Analogous

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



20.3444, 12.9353, 48.6613



24.6324, 12.9353, 25.2432



25.1054, 12.9353, 8.9620

Triad

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



24.6324, 12.9353, 25.2432



10.3441, 12.9353, 0.3930



6.1845, 12.9353, 43.5619

Complementary

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



24.6324, 12.9353, 25.2432



18.8696, 34.7104, 12.7287

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.



4.8089, 12.9353, 20.8603



24.6324, 12.9353, 25.2432



6.7097, 12.9353, 1.6392

Square

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



24.6324, 12.9353, 25.2432



15.7420, 12.9353, 0.5348



4.9688, 12.9353, 6.8209



9.3913, 12.9353, 63.4580

Rectangle

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



24.6324, 12.9353, 25.2432



23.0653, 12.9353, 3.6717



4.9688, 12.9353, 6.8209



5.5403, 12.9353, 35.5210

Sweetspot

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



24.6328, 12.9360, 25.2434



63.7177, 54.9563, 74.5990



11.9495, 5.9401, 45.3167



13.6547, 11.4137, 15.9893



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.



24.6328, 12.9360, 25.2434



41.9923, 20.8784, 38.4619



20.9916, 11.4795, 6.0689



9.2638, 9.1159, 10.7366



16.3939, 8.1313, 15.2272



0.6038, 0.2970, 0.6729

Inverse Universe

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



24.6328, 12.9360, 25.2434



41.9923, 20.8784, 38.4619



23.0577, 36.3856, 34.7830



9.2638, 9.1159, 10.7366



16.3939, 8.1313, 15.2272



0.6038, 0.2970, 0.6729

Previews

White Background



This preview shows how the XYZ color 24.6324, 12.9353, 25.2432 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 24.6324, 12.9353, 25.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

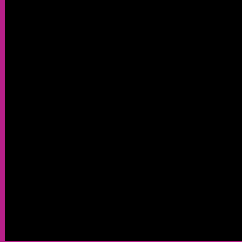
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6324, 12.9353, 25.2432

Background



This preview shows how black text looks on a background with the XYZ color 24.6324, 12.9353, 25.2432.



This preview shows how white text looks on a background with the XYZ color 24.6324, 12.9353,

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

24.6324, 12.9353, 25.2432

Protanopia

15.2780, 13.4386, 49.9328

Deuteranopia

13.5162, 13.2674, 22.9676



Tritanopia

20.6727, 12.9490, 6.2603

Trichromacy



Original Color

24.6324, 12.9353, 25.2432



Protanomaly

15.2513, 10.7592, 39.3031



Deuteranomaly

15.6518, 11.3148, 23.5493



Tritanomaly

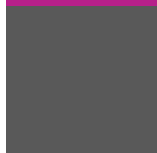
21.6193, 12.6202, 11.1940

Monochromacy



Original Color

24.6324, 12.9353, 25.2432



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

12.8893, 9.4067, 15.0463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6324, 12.9353, 25.2432 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(183, 32, 138)` looks like.

```
.text, #text, p{  
    color:rgb(183, 32, 138)  
}
```

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(183, 32, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 32, 138) }
```

Border

The CSS property to change the border of an element to XYZ 24.6324, 12.9353, 25.2432 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(183, 32, 138) }
```


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

```
.border{ border-color:rgb(183, 32, 138) }
```

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

Here you see how a box with a 4 pixel rgb(183, 32, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 32, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 32, 138);  
box-shadow:4px 4px 4px 4px rgb(183, 32,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6324, 12.9353, 25.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 32, 138) }
```

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

```
.background{ background-color: rgb(183, 32,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor