

Converting Colors

XYZ(25.4171, 12.2091, 41.5744)

Have a look what the booklet for
XYZ(25.4171, 12.2091, 41.5744)
contains.

XYZ(25.4171, 12.2091, 41.5744)	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(25.4171, 12.2091,
41.5744)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00AF
RGB	175, 0, 175
RGB Percent	69%, 0%, 69%
CMY	0.3137, 0.9999, 0.3137
CMYK	0.00, 1.00, 0.00, 0.31
HSL	300°, 100%, 34%
HSV	300°, 100%, 69%
XYZ	25.4171, 12.2091, 41.5744
YIQ	72.2750, 48.1250, 91.5250

Conversions

Conversions Part 2

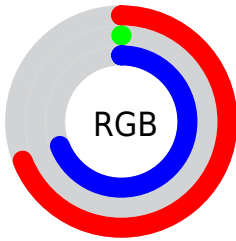
Format	Color
R_{YB}	175, 0, 175
Decimal	11468975
CIE _{Lab}	41.55, 74.09, -45.88
CIE _{LCh}	42, 87.140, 328.233
Yxy	12.2091, 0.3209, 0.1542
Android (android.graphics.Color)	4289659055 (0xFFAF00AF)
YUV	72.2750, 50.6434, 90.0898
Hunter-Lab	34.9415, 68.6965, -46.0858

Details

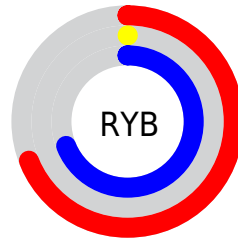
The XYZ color **25.4171, 12.2091, 41.5744** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.3306, 30.6607, 5.1106**, and the grayscale version is **6.1186, 6.4372, 7.0101**.

A 20% lighter version of the original color is **51.6040, 29.7589, 78.6255**, and **10.9841, 5.2567, 18.8481** is the 20% darker color. If you saturate the color by 10%, you get **25.4174, 12.2093, 41.5746**, and if you desaturate by 10%, it is **25.6260, 12.6264, 41.6442**.

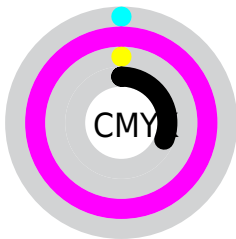
Distribution



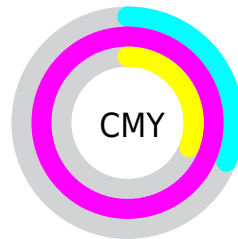
- Red (69%)
- Green (0%)
- Blue (69%)



- Red (69%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4171, 12.2091, 41.5744 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 25.4171, 12.2091, 41.5744 by changing the saturation by 10% instead.


 25.4171, 12.2091,
41.5744


 25.4171, 12.2091,
41.5744


272.2183,
205.7847, 368.4631


 16.5185, 6.8862,
28.4451


 51.7711, 29.8754,
78.8182


 9.9849, 3.3911,
18.4195


 69.9572, 42.9876,
103.7698


 5.4512, 1.3391,
11.0790


 91.9698, 59.4650,
133.4992

 2.5518, 0.1712,
6.0052

 118.1743, 79.6921,
168.4251

 0.9214, 0.0000,
2.7794

 148.9361,
104.0532, 208.9658

 0.0000, 0.0000,
0.9831

 184.6204,

 0.0000, 0.0000,

132.9328, 255.5401

0.0000

225.5927,
166.7151, 308.5663

■ 25.4171, 12.2091,
41.5744

■ 25.4171, 12.2091,
41.5744

■ 25.4174, 12.2093,
41.5746

■ 25.6260, 12.6264,
41.6442

■ 26.0190, 13.4124,
41.7752

■ 26.6687, 14.7118,
41.9918

■ 27.6088, 16.5919,
42.3052

■ 28.8678, 19.1100,
42.7250

■ 30.4710, 22.3163,
43.2594

■ 32.4409, 26.2561,
43.9161

■ 34.7983, 30.9710,
44.7020

■ 37.5625, 36.4993,
45.6234

Harmonies

Analogous

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



18.4046, 12.2091, 74.1897



25.4171, 12.2091, 41.5744



28.6234, 12.2091, 14.4034

Triad

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



25.4171, 12.2091, 41.5744



11.9857, 12.2091, 0.0000



3.8202, 12.2091, 37.7000

Complementary

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



25.4171, 12.2091, 41.5744



15.3306, 30.6607, 5.1106

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.



3.1701, 12.2091, 12.2424



25.4171, 12.2091, 41.5744



6.7271, 12.2091, 0.0000

Square

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



25.4171, 12.2091, 41.5744



19.3075, 12.2091, 0.0000



4.0029, 12.2091, 2.0657



6.2830, 12.2091, 70.8425

Rectangle

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



25.4171, 12.2091, 41.5744



27.5274, 12.2091, 5.0704



4.0029, 12.2091, 2.0657



3.4332, 12.2091, 27.5396

Sweetspot

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



25.4176, 12.2097, 41.5746



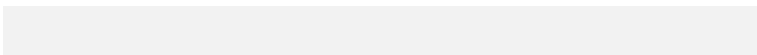
57.8959, 46.6159, 78.5829



7.7384, 3.0957, 40.7478



12.5291, 9.6831, 17.3529



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.4176, 12.2097, 41.5746



45.5208, 21.8660, 74.4572



19.4209, 9.8110, 9.9965



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7724



0.5064, 0.2432, 0.8282

Inverse Universe

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



25.4176, 12.2097, 41.5746



45.5208, 21.8660, 74.4572



17.0717, 31.3571, 14.2791



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7724



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 25.4171, 12.2091, 41.5744 looks on a white background.

Color Contrast Check

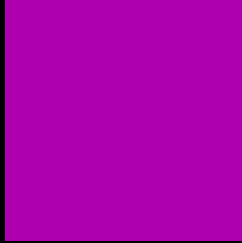
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4171, 12.2091, 41.5744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

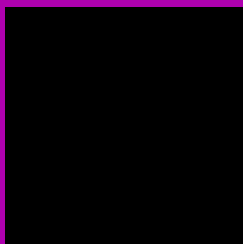
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.4171, 12.2091, 41.5744

Background



This preview shows how black text looks on a background with the XYZ color 25.4171, 12.2091, 41.5744.



This preview shows how white text looks on a background with the XYZ color 25.4171, 12.2091,

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

25.4171, 12.2091, 41.5744

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.2180, 12.9484, 36.9246



Tritanopia

18.6406, 12.6298, 7.7587

Trichromacy



Original Color

25.4171, 12.2091, 41.5744



Protanomaly

13.5746, 8.4303, 51.9507



Deuteranomaly

14.3808, 9.3187, 38.0865



Tritanomaly

19.8636, 11.2520, 15.8768

Monochromacy



Original Color

25.4171, 12.2091, 41.5744



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0440, 6.3093, 15.1564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4171, 12.2091, 41.5744 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(175, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 175)  
}
```

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(175, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 175) }
```

Border

The CSS property to change the border of an element to XYZ 25.4171, 12.2091, 41.5744 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(175, 0, 175) }
```


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

```
.border{ border-color:rgb(175, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4171, 12.2091, 41.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 175) }
```

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

```
.background{ background-color: rgb(175, 0,  
175) }
```

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