

Converting Colors

XYZ(24.8701, 17.5886, 37.2473)

Have a look what the booklet for
XYZ(24.8701, 17.5886, 37.2473)
contains.

XYZ(24.9391, 17.6361, 37.2116)	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(24.9391, 17.6361,
37.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	A05BA4
RGB	160, 91, 164
RGB Percent	63%, 36%, 64%
CMY	0.3725, 0.6431, 0.3569
CMYK	0.02, 0.45, 0.00, 0.36
HSL	297°, 29%, 50%
HSV	297°, 45%, 64%
XYZ	24.9391, 17.6361, 37.2116
YIQ	119.9530, 17.6910, 37.3310

Conversions

Conversions Part 2

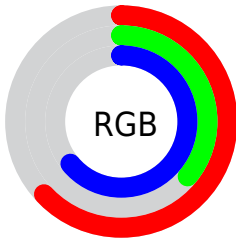
Format	Color
R _Y B	160, 91, 164
Decimal	10509220
CIE Lab	49.05, 39.70, -27.67
CIE LCh	49, 48.396, 325.124
Yxy	17.6361, 0.3126, 0.2210
Android (android.graphics.Color)	4288699300 (0xFFA05BA4)
YUV	119.9530, 21.7152, 35.1212
Hunter-Lab	41.9954, 32.5110, -23.1394

Details

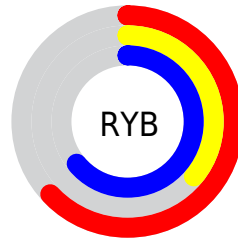
The XYZ color **24.9391, 17.6361, 37.2116** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.8837, 29.7396, 14.5907**, and the grayscale version is **17.7670, 18.6923, 20.3559**.

A 20% lighter version of the original color is **50.9275, 39.3583, 71.9306**, and **9.7810, 5.8815, 15.9490** is the 20% darker color. If you saturate the color by 10%, you get **23.5086, 15.0403, 36.7862**, and if you desaturate by 10%, it is **26.6785, 20.8468, 37.7399**.

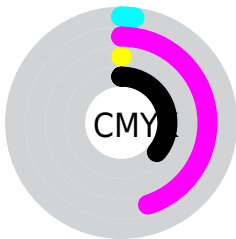
Distribution



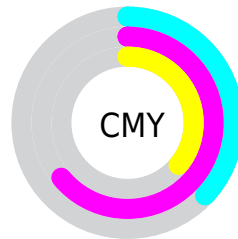
- Red (63%)
- Green (36%)
- Blue (64%)



- Red (63%)
- Yellow (36%)
- Blue (64%)



- Cyan (2%)
- Magenta (45%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (64%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9391, 17.6361, 37.2116 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 24.9391, 17.6361, 37.2116 by changing the saturation by 10% instead.

■ 24.9391, 17.6361,
37.2116

■ 24.9391, 17.6361,
37.2116

269.8878,
238.8118, 349.4220

■ 16.1602, 10.6890,
25.0743

■ 51.0020, 39.4163,
72.0881

■ 9.7291, 5.8581,
15.9129

■ 69.0167, 55.0182,
95.6643

■ 5.2806, 2.7590,
9.3088

■ 90.8407, 74.2738,
123.8906

■ 2.4493, 1.0073,
4.8436

■ 116.8394, 97.5676,
157.1855

■ 0.8698, 0.0000,
2.0987

147.3781,
125.2839, 195.9676

■ 0.0000, 0.0000,
0.6150

182.8221,

■ 0.0000, 0.0000,

157.8071, 240.6553

0.0000

223.5369,
195.5216, 291.6673

■ 24.9391, 17.6361,
37.2116

■ 24.9391, 17.6361,
37.2116

■ 23.5086, 15.0403,
36.7862

■ 26.6785, 20.8468,
37.7399

■ 22.3649, 13.0168,
36.4559

■ 28.7433, 24.7068,
38.3761

■ 21.4862, 11.5212,
36.2136


■ 31.1510, 29.2508,
39.1263


■ 20.8464, 10.5016,
36.0505

■ 33.9174, 34.5101,
39.9956


■ 20.4139, 9.8948,
35.9561


■ 37.0572, 40.5142,
40.9891

 20.2213, 9.6504,
35.9191

 40.5843, 47.2912,
42.1113

 44.5120, 54.8672,
43.3666

 48.8529, 63.2676,
44.7592

 53.6189, 72.5164,
46.2932

Harmonies

Analogous

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



20.7244, 17.6361, 51.6459



24.9391, 17.6361, 37.2116



26.9832, 17.6361, 21.3940

Triad

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



24.9391, 17.6361, 37.2116



17.5112, 17.6361, 3.5575



10.0682, 17.6361, 31.8084

Complementary

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



24.9391, 17.6361, 37.2116



19.8837, 29.7396, 14.5907

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.



9.5164, 17.6361, 17.1665



24.9391, 17.6361, 37.2116



13.3409, 17.6361, 4.3443

Square

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



24.9391, 17.6361, 37.2116



22.2315, 17.6361, 5.1769



10.6026, 17.6361, 8.2076



12.2733, 17.6361, 47.6666

Rectangle

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



24.9391, 17.6361, 37.2116



26.6151, 17.6361, 13.4198



10.6026, 17.6361, 8.2076



9.7022, 17.6361, 26.4459

Sweetspot

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



24.9397, 17.6369, 37.2120



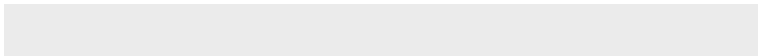
57.1429, 54.2299, 71.2080



15.1867, 13.2468, 36.8786



12.2753, 11.4440, 15.4994



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.9397, 17.6369, 37.2120



42.7920, 27.5164, 66.8081



23.2415, 17.0515, 24.0286



7.3258, 7.1823, 8.9033



15.5178, 7.4062, 27.5414



0.3368, 0.1612, 0.5792

Inverse Universe

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



21.1171, 16.2017, 12.8415



35.0603, 24.6297, 16.7869



21.1427, 30.1964, 23.3337



7.0888, 7.0920, 7.4539



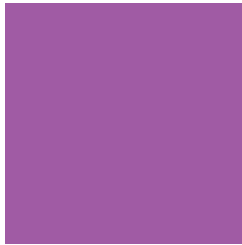
11.7825, 6.0690, 0.7791



0.2520, 0.1293, 0.0398

Previews

White Background



This preview shows how the XYZ color 24.9391, 17.6361, 37.2116 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 24.9391, 17.6361, 37.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

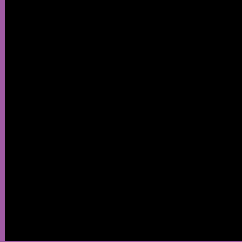
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9391, 17.6361, 37.2116

Background



This preview shows how black text looks on a background with the XYZ color 24.9391, 17.6361, 37.2116.



This preview shows how white text looks on a background with the XYZ color 24.9391, 17.6361,

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

24.9391, 17.6361, 37.2116

Protanopia

19.0968, 17.9463, 47.8049

Deuteranopia

18.1848, 17.7426, 35.7239



Tritanopia

20.8564, 17.6205, 17.3408

Trichromacy



Original Color

24.9391, 17.6361, 37.2116

Protanomaly

20.2923, 17.1954, 43.8445

Deuteranomaly

19.8992, 17.1664, 35.9828

Tritanomaly

22.2014, 17.6033, 23.3467

Monochromacy



Original Color

24.9391, 17.6361, 37.2116

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.9042, 17.8657, 25.6919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9391, 17.6361, 37.2116 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(160, 91, 164)` looks like.

```
.text, #text, p{  
    color:rgb(160, 91, 164)  
}
```

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(160, 91, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 91, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.9391, 17.6361, 37.2116 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(160, 91, 164) }
```


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

```
.border{ border-color:rgb(160, 91, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 91, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 91, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 91, 164);  
box-shadow:4px 4px 4px 4px rgb(160, 91,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9391, 17.6361, 37.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 91, 164) }
```

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

```
.background{ background-color: rgb(160, 91,  
164) }
```

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