

Converting Colors

XYZ(24.2112, 23.7374, 35.4241)

Have a look what the booklet for
XYZ(24.2112, 23.7374, 35.4241)
contains.

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Color

**XYZ(24.1938, 23.8178,
35.2204)**

Conversions

Conversions Part 1

Format	Color
Hex	87839D
RGB	135, 131, 157
RGB Percent	53%, 51%, 62%
CMY	0.4706, 0.4863, 0.3843
CMYK	0.14, 0.17, 0.00, 0.38
HSL	249°, 12%, 56%
HSV	249°, 17%, 62%
XYZ	24.1938, 23.8178, 35.2204
YIQ	135.1600, -5.9620, 8.9340

Conversions

Conversions Part 2

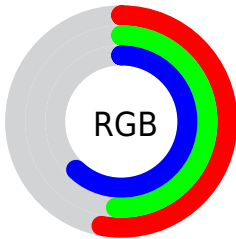
Format	Color
R_{YB}	135, 131, 157
Decimal	8881053
CIE _{Lab}	55.90, 6.94, -13.32
CIE _{LCh}	56, 15.018, 297.536
Yxy	23.8178, 0.2907, 0.2862
Android (android.graphics.Color)	4287071133 (0xFF87839D)
YUV	135.1600, 10.7671, -0.1403
Hunter-Lab	48.8035, 3.0834, -8.6258

Details

The XYZ color **24.1938, 23.8178, 35.2204** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.2913, 32.5255, 26.2080**, and the grayscale version is **23.0520, 24.2525, 26.4109**.

A 20% lighter version of the original color is **49.7632, 49.7258, 69.2626**, and **9.3651, 9.0065, 14.8805** is the 20% darker color. If you saturate the color by 10%, you get **20.2372, 18.8819, 34.4766**, and if you desaturate by 10%, it is **28.7382, 29.5322, 36.0843**.

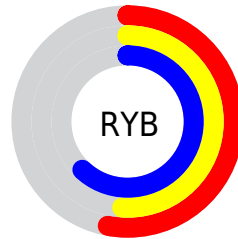
Distribution



Red (53%)

Green (51%)

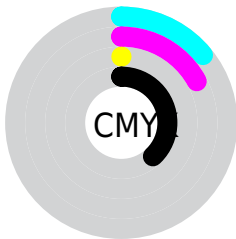
Blue (62%)



Red (53%)

Yellow (51%)

Blue (62%)

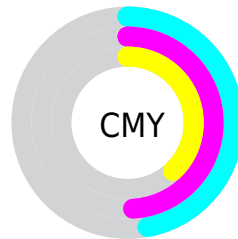


Cyan (14%)

Magenta (17%)

Yellow (0%)

Black (38%)



Cyan (47%)

Magenta (49%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1938, 23.8178, 35.2204 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 24.1938, 23.8178, 35.2204 by changing the saturation by 10% instead.

■ 24.1938, 23.8178,
35.2204

■ 24.1938, 23.8178,
35.2204

266.2211,
271.8980, 340.4739

■ 15.6030, 15.1985,
23.5478

■ 49.7986, 49.7327,
68.9825

■ 9.3327, 8.9588,
14.7894

■ 67.5434, 67.7971,
91.9091

■ 5.0177, 4.7143,
8.5268

■ 89.0701, 89.7787,
119.4240

■ 2.2925, 2.0806,
4.3412

114.7441,
116.0619, 151.9460

■ 0.7908, 0.6537,
1.8144

144.9309,
147.0310, 189.8934

■ 0.0000, 0.0000,
0.4374

179.9958,

■ 0.0000, 0.0000,

183.0705, 233.6848

0.0000

220.3041,
224.5647, 283.7388

■ 24.1938, 23.8178,
35.2204

■ 24.1938, 23.8178,
35.2204

■ 20.2372, 18.8819,
34.4766

■ 28.7382, 29.5322,
36.0843

■ 16.8420, 14.6879,
33.8460

■ 33.8909, 36.0539,
37.0715

■ 13.9832, 11.2006,
33.3236

■ 39.6740, 43.4137,
38.1873

■ 11.6329, 8.3808,
32.9032

■ 46.1081, 51.6399,
39.4360

■ 9.7607, 6.1852,
32.5781

■ 53.2126, 60.7595,
40.8218

8.3328, 4.5657,
32.3407

61.0062, 70.7985,
42.3487

7.3110, 3.4668,
32.1825

69.5069, 81.7815,
44.0206

6.6433, 2.8088,
32.0906

78.2183, 92.7050,
45.6699

6.4661, 2.6304,
32.0655

82.9273, 95.1326,
45.8903

Harmonies

Analogous

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



22.4969, 23.8178, 36.5350



24.1938, 23.8178, 35.2204



25.5297, 23.8178, 31.3285

Triad

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



24.1938, 23.8178, 35.2204



24.4509, 23.8178, 18.7667



19.5069, 23.8178, 25.5304

Complementary

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



24.1938, 23.8178, 35.2204



29.2913, 32.5255, 26.2080

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.



19.9735, 23.8178, 21.1965



24.1938, 23.8178, 35.2204



22.7799, 23.8178, 17.6112

Square

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



24.1938, 23.8178, 35.2204



25.6833, 23.8178, 21.8159



21.1506, 23.8178, 18.4420



19.8436, 23.8178, 30.5392

Rectangle

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



24.1938, 23.8178, 35.2204



26.0058, 23.8178, 28.0213



21.1506, 23.8178, 18.4420



19.5745, 23.8178, 23.9522

Sweetspot

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



24.1945, 23.8188, 35.2209



52.7475, 54.5055, 64.8673



26.8542, 30.0755, 36.2884



11.4810, 11.8348, 14.2496



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.1945, 23.8188, 35.2209



40.4962, 39.1128, 62.5419



26.3975, 24.9545, 35.3240



6.3751, 6.4818, 8.3218



5.2729, 2.1473, 26.0438



0.1178, 0.0505, 0.4668

Inverse Universe

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



27.7714, 25.7015, 33.6350



48.1958, 43.1673, 59.0515



26.9865, 31.3373, 26.1002



6.8603, 6.7370, 8.1154



14.7342, 7.1982, 18.6491



0.2742, 0.1330, 0.3902

Previews

White Background



This preview shows how the XYZ color 24.1938, 23.8178, 35.2204 looks on a white 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

Black Background



This preview shows how the XYZ color 24.1938, 23.8178, 35.2204 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

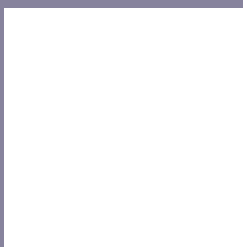
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1938, 23.8178, 35.2204

Background



This preview shows how black text looks on a background with the XYZ color 24.1938, 23.8178, 35.2204.



This preview shows how white text looks on a background with the XYZ color 24.1938, 23.8178,

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

24.1938, 23.8178, 35.2204

Protanopia

23.6123, 23.9108, 35.7185

Deuteranopia

24.3554, 23.9012, 35.2280



Tritanopia

23.0944, 23.7752, 29.7574

Trichromacy



Original Color

24.1938, 23.8178, 35.2204

Protanomaly

23.7829, 23.7964, 35.6874

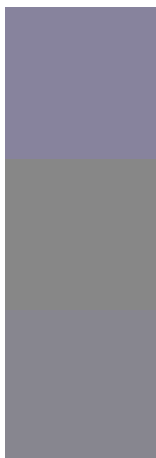
Deuteranomaly

24.3554, 23.9012, 35.2280

Tritanomaly

23.5076, 23.7408, 31.7772

Monochromacy



Original Color

24.1938, 23.8178, 35.2204

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4747, 24.1843, 29.4174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1938, 23.8178, 35.2204 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(135, 131, 157)` looks like.

```
.text, #text, p{  
    color:rgb(135, 131, 157)  
}
```

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(135, 131, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 131, 157) }
```

Border

The CSS property to change the border of an element to XYZ 24.1938, 23.8178, 35.2204 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(135, 131, 157) }
```


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

```
.border{ border-color:rgb(135, 131, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 131, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 131, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 131, 157);  
box-shadow:4px 4px 4px 4px rgb(135, 131,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1938, 23.8178, 35.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 131, 157) }
```

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

```
.background{ background-color: rgb(135,  
131, 157) }
```

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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