

Converting Colors

XYZ(23.6005, 24.2021, 34.0004)

Have a look what the booklet for
XYZ(23.6005, 24.2021, 34.0004)
contains.

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Color

**XYZ(23.5638, 24.1291,
33.9873)**

Conversions

Conversions Part 1

Format	Color
Hex	82869A
RGB	130, 134, 154
RGB Percent	51%, 53%, 60%
CMY	0.4902, 0.4745, 0.3961
CMYK	0.16, 0.13, 0.00, 0.40
HSL	230°, 11%, 56%
HSV	230°, 16%, 60%
XYZ	23.5638, 24.1291, 33.9873
YIQ	135.0840, -8.8040, 5.3720

Conversions

Conversions Part 2

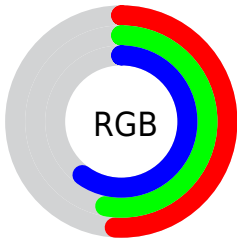
Format	Color
R_{YB}	130, 133, 154
Decimal	8554138
CIE _{Lab}	56.22, 2.82, -11.16
CIE _{LCh}	56, 11.509, 284.202
Yxy	24.1291, 0.2885, 0.2954
Android (android.graphics.Color)	4286744218 (0xFF82869A)
YUV	135.0840, 9.3256, -4.4587
Hunter-Lab	49.1214, -0.3350, -6.6380

Details

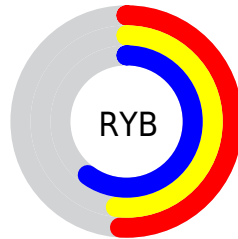
The XYZ color **23.5638, 24.1291, 33.9873** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.2623, 30.2946, 25.4776**, and the grayscale version is **23.0297, 24.2290, 26.3854**.

A 20% lighter version of the original color is **48.6839, 50.1620, 66.7908**, and **9.0049, 9.1817, 14.1296** is the 20% darker color. If you saturate the color by 10%, you get **19.7089, 19.6672, 33.3296**, and if you desaturate by 10%, it is **27.9890, 29.2058, 34.7344**.

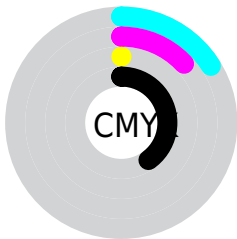
Distribution



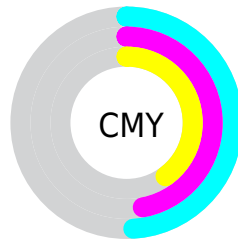
- Red (51%)
- Green (53%)
- Blue (60%)



- Red (51%)
- Yellow (52%)
- Blue (60%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5638, 24.1291, 33.9873 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 23.5638, 24.1291, 33.9873 by changing the saturation by 10% instead.

■ 23.5638, 24.1291,
33.9873

■ 23.5638, 24.1291,
33.9873

263.0893,
273.4725, 334.8428

■ 15.1333, 15.4294,
22.6066

■ 48.7773, 50.2408,
67.0476

■ 8.9999, 9.1213,
14.1007

■ 66.2911, 68.4216,
89.5642

■ 4.7983, 4.8204,
8.0512

■ 87.5633, 90.5315,
116.6299

■ 2.1629, 2.1423,
4.0395

112.9594,
116.9550, 148.6632

■ 0.7231, 0.6882,
1.6470

142.8447,
148.0765, 186.0825

■ 0.0000, 0.0000,
0.3240

177.5846,

■ 0.0000, 0.0000,

184.2803, 229.3066

0.0000

217.5443,
225.9508, 278.7538

■ 23.5638, 24.1291,
33.9873

■ 23.5638, 24.1291,
33.9873

■ 19.7089, 19.6672,
33.3296

■ 27.9890, 29.2058,
34.7344

■ 16.3987, 15.7936,
32.7564

■ 33.0043, 34.9164,
35.5723

■ 13.6091, 12.4845,
32.2647

■ 38.6311, 41.2830,
36.5046

■ 11.3130, 9.7130,
31.8508

■ 44.8893, 48.3255,
37.5341

■ 9.4812, 7.4503,
31.5106

■ 51.7978, 56.0632,
38.6635

■ 8.0810, 5.6646,
31.2397

■ 59.3745, 64.5145,
39.8954

■ 7.0753, 4.3203,
31.0332

■ 67.6370, 73.6971,
41.2324

■ 6.4169, 3.3749,
30.8855

■ 76.6018, 83.6282,
42.6767

■ 6.1950, 3.0575,
30.8359

■ 81.1024, 91.6523,
43.9884

Harmonies

Analogous

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



22.2484, 24.1291, 33.9250



23.5638, 24.1291, 33.9873



24.7537, 24.1291, 31.8492

Triad

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



23.5638, 24.1291, 33.9873



24.8065, 24.1291, 21.5133



20.5722, 24.1291, 24.3385

Complementary

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



23.5638, 24.1291, 33.9873



28.2623, 30.2946, 25.4776

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.



21.2057, 24.1291, 21.3880



23.5638, 24.1291, 33.9873



23.6336, 24.1291, 19.8671

Square

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



23.5638, 24.1291, 33.9873



25.4896, 24.1291, 24.5252



22.3155, 24.1291, 19.8235



20.5551, 24.1291, 28.1008

Rectangle

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



23.5638, 24.1291, 33.9873



25.3015, 24.1291, 29.5725



22.3155, 24.1291, 19.8235



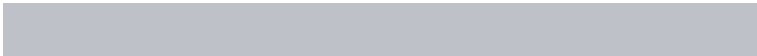
20.7190, 24.1291, 23.2276

Sweetspot

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



23.5645, 24.1301, 33.9878



51.2591, 53.5286, 63.1667



26.2349, 30.0467, 33.1029



11.4750, 11.9706, 14.2761



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.



23.5645, 24.1301, 33.9878



40.0272, 40.6263, 61.2683



24.2311, 23.6683, 33.8636



5.9636, 6.1845, 7.8084



5.0661, 2.5289, 25.1288



0.0941, 0.0746, 0.3818

Inverse Universe

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



25.6128, 24.5572, 25.9454



44.5505, 41.6218, 43.4959



27.5107, 30.8711, 25.6285



6.2487, 6.2387, 6.6900



11.0159, 5.6606, 1.3428



0.1740, 0.0883, 0.0689

Previews

White Background



This preview shows how the XYZ color 23.5638, 24.1291, 33.9873 looks on a white background.

Color Contrast Check

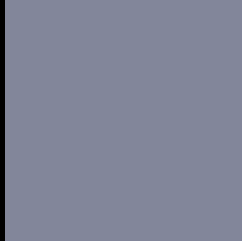
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5638, 24.1291, 33.9873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

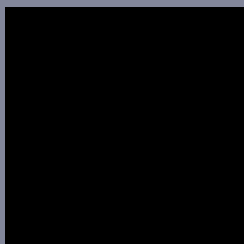
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

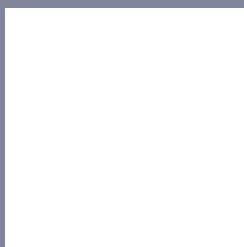
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5638, 24.1291, 33.9873

Background



This preview shows how black text looks on a background with the XYZ color 23.5638, 24.1291, 33.9873.



This preview shows how white text looks on a background with the XYZ color 23.5638, 24.1291,

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

23.5638, 24.1291, 33.9873

Protanopia

23.7179, 24.2086, 33.9945

Deuteranopia

24.5139, 24.0024, 34.3513



Tritanopia

22.9055, 24.0704, 30.6329

Trichromacy



Original Color

23.5638, 24.1291, 33.9873

Protanomaly

23.7179, 24.2086, 33.9945

Deuteranomaly

24.1593, 24.0200, 34.3733

Tritanomaly

23.1420, 24.1650, 31.8784

Monochromacy



Original Color

23.5638, 24.1291, 33.9873

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.2193, 24.2675, 29.0515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5638, 24.1291, 33.9873 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(130, 134, 154)` looks like.

```
.text, #text, p{  
    color:rgb(130, 134, 154)  
}
```

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(130, 134, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 134, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.5638, 24.1291, 33.9873 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(130, 134, 154) }
```


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

```
.border{ border-color:rgb(130, 134, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 134, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 134, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 134, 154);  
box-shadow:4px 4px 4px 4px rgb(130, 134,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5638, 24.1291, 33.9873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 134, 154) }
```

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

```
.background{ background-color: rgb(130,  
134, 154) }
```

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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