

Converting Colors

XYZ(23.2419, 23.5422, 28.3037)

Have a look what the booklet for
XYZ(23.2419, 23.5422, 28.3037)
contains.

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Color

**XYZ(23.1665, 23.4444,
28.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	89838C
RGB	137, 131, 140
RGB Percent	54%, 51%, 55%
CMY	0.4627, 0.4863, 0.4510
CMYK	0.02, 0.06, 0.00, 0.45
HSL	280°, 4%, 53%
HSV	280°, 6%, 55%
XYZ	23.1665, 23.4444, 28.1152
YIQ	133.8200, 0.6870, 4.0710

Conversions

Conversions Part 2

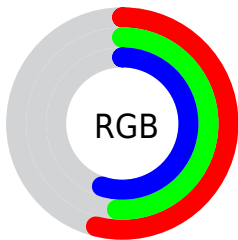
Format	Color
RYB	137, 131, 140
Decimal	9012108
CIELab	55.53, 4.02, -4.03
CIELCh	56, 5.696, 314.904
Yxy	23.4444, 0.3100, 0.3137
Android (android.graphics.Color)	4287202188 (0xFF89838C)
YUV	133.8200, 3.0467, 2.7889
Hunter-Lab	48.4194, 0.6702, -0.5337

Details

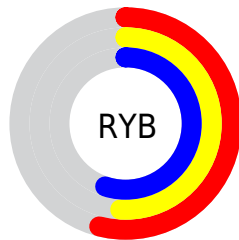
The XYZ color **23.1665, 23.4444, 28.1152** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.3071, 25.4638, 25.1604**, and the grayscale version is **22.5835, 23.7596, 25.8742**.

A 20% lighter version of the original color is **48.1133, 49.1232, 57.9848**, and **8.7932, 8.7990, 10.9078** is the 20% darker color. If you saturate the color by 10%, you get **20.6634, 19.5493, 27.4956**, and if you desaturate by 10%, it is **25.9581, 27.8668, 28.8220**.

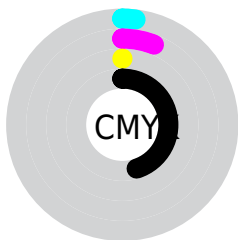
Distribution



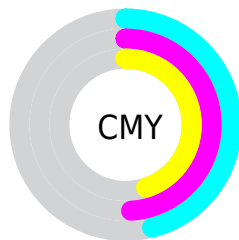
- Red (54%)
- Green (51%)
- Blue (55%)



- Red (54%)
- Yellow (51%)
- Blue (55%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (45%)



- Cyan (46%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1665, 23.4444, 28.1152 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 23.1665, 23.4444, 28.1152 by changing the saturation by 10% instead.

■ 23.1665, 23.4444,
28.1152

■ 23.1665, 23.4444,
28.1152

261.0984,
269.9994, 306.9462

■ 14.8379, 14.9220,
18.1727

■ 48.1312, 49.1220,
57.6936

■ 8.7913, 8.7647,
10.9033

■ 65.4980, 67.0460,
78.1666

■ 4.6613, 4.5880,
5.8885

■ 86.6083, 88.8726,
102.9869

■ 2.0826, 2.0076,
2.7097

111.8273,
114.9863, 132.5730

■ 0.6797, 0.6119,
0.9483

141.5205,
145.7714, 167.3435

■ 0.0000, 0.0000,
0.0000

176.0531,

181.6124, 207.7168

215.7907,
222.8936, 254.1115

■ 23.1665, 23.4444,
28.1152

■ 23.1665, 23.4444,
28.1152

■ 20.6634, 19.5493,
27.4956

■ 25.9581, 27.8668,
28.8220

■ 18.4363, 16.1580,
26.9584

■ 29.0463, 32.8327,
29.6178

■ 16.4747, 13.2496,
26.5005

■ 32.4410, 38.3615,
30.5060

■ 14.7664, 10.8009,
26.1178

■ 36.1513, 44.4707,
31.4897

■ 13.2986, 8.7863,
25.8063

■ 40.1859, 51.1769,
32.5714

■ 12.0568, 7.1778,
25.5613

■ 44.5531, 58.4961,
33.7540

■ 11.0251, 5.9442,
25.3776

■ 49.2608, 66.4437,
35.0399

■ 10.1850, 5.0495,
25.2492

■ 54.3166, 75.0347,
36.4317

■ 9.5070, 4.4348,
25.1663

■ 59.0855, 82.9979,
37.7174

Harmonies

Analogous

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



22.6024, 23.4444, 29.1000



23.1665, 23.4444, 28.1152



23.4971, 23.4444, 26.4593

Triad

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



23.1665, 23.4444, 28.1152



22.6064, 23.4444, 22.2618



21.1108, 23.4444, 26.4476

Complementary

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



23.1665, 23.4444, 28.1152



23.3071, 25.4638, 25.1604

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.



21.1119, 23.4444, 24.6168



23.1665, 23.4444, 28.1152



21.9670, 23.4444, 22.2591

Square

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



23.1665, 23.4444, 28.1152



23.1695, 23.4444, 23.1105



21.4226, 23.4444, 23.1027



21.4198, 23.4444, 28.1063

Rectangle

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



23.1665, 23.4444, 28.1152



23.5366, 23.4444, 25.2258



21.4226, 23.4444, 23.1027



21.0751, 23.4444, 25.8306

Sweetspot

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



23.1672, 23.4454, 28.1157



42.9385, 44.6367, 50.0956



22.6404, 23.8114, 28.2141



9.9091, 10.3092, 11.5470



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



23.1672, 23.4454, 28.1157



40.0396, 40.0729, 49.3675



23.5669, 23.6629, 27.6180



5.0746, 5.0469, 6.3125



8.2681, 3.7765, 22.3388



0.0705, 0.0331, 0.1491

Inverse Universe

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



23.2354, 23.5303, 25.8724



40.1955, 40.2638, 44.3787



22.9278, 25.2576, 25.6234



5.0972, 5.0743, 5.6002



10.0683, 5.1374, 2.8641



0.0732, 0.0366, 0.0520

Previews

White Background



This preview shows how the XYZ color 23.1665, 23.4444, 28.1152 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 23.1665, 23.4444, 28.1152 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

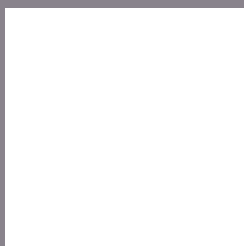
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1665, 23.4444, 28.1152

Background



This preview shows how black text looks on a background with the XYZ color 23.1665, 23.4444, 28.1152.



This preview shows how white text looks on a background with the XYZ color 23.1665, 23.4444,

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

23.1665, 23.4444, 28.1152

Protanopia

22.7318, 23.4122, 28.5202

Deuteranopia

23.9116, 23.4336, 28.0738



Tritanopia

23.2405, 23.4741, 28.5053

Trichromacy



Original Color

23.1665, 23.4444, 28.1152

Protanomaly

22.8905, 23.4939, 28.5276

Deuteranomaly

23.7008, 23.5214, 28.1019

Tritanomaly

23.2405, 23.4741, 28.5053

Monochromacy



Original Color

23.1665, 23.4444, 28.1152

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8231, 23.7035, 26.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1665, 23.4444, 28.1152 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(137, 131, 140)` looks like.

```
.text, #text, p{  
    color:rgb(137, 131, 140)  
}
```

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(137, 131, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 131, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.1665, 23.4444, 28.1152 is called "border". The border property can be set on classes, ids or directly on the HTML element.

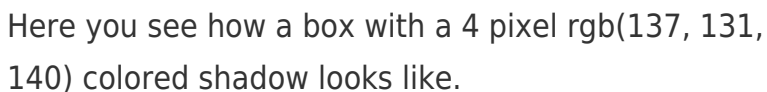
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 131, 140) }
```


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

```
.border{ border-color:rgb(137, 131, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 131, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 131, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 131, 140); box-shadow:4px 4px 4px 4px rgb(137, 131, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1665, 23.4444, 28.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 131, 140) }
```

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

```
.background{ background-color: rgb(137,  
131, 140) }
```

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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