

Converting Colors

XYZ(21.1212, 23.7475, 38.1208)

Have a look what the booklet for
XYZ(21.1212, 23.7475, 38.1208)
contains.

XYZ(21.2103, 23.8763, 38.1410)	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(21.2103, 23.8763,
38.1410)**

Conversions

Conversions Part 1

Format	Color
Hex	658BA3
RGB	101, 139, 163
RGB Percent	40%, 55%, 64%
CMY	0.6039, 0.4549, 0.3608
CMYK	0.38, 0.15, 0.00, 0.36
HSL	203°, 25%, 52%
HSV	203°, 38%, 64%
XYZ	21.2103, 23.8763, 38.1410
YIQ	130.3740, -30.3520, -0.5920

Conversions

Conversions Part 2

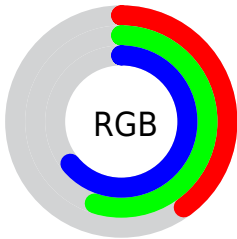
Format	Color
R_{YB}	101, 125, 163
Decimal	6654883
CIE _{Lab}	55.96, -6.91, -16.91
CIE _{LCh}	56, 18.268, 247.769
Yxy	23.8763, 0.2548, 0.2869
Android (android.graphics.Color)	4284844963 (0xFF658BA3)
YUV	130.3740, 16.0846, -25.7610
Hunter-Lab	48.8634, -8.0288, -12.0753

Details

The XYZ color **21.2103, 23.8763, 38.1410** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7872, 23.3937, 15.5216**, and the grayscale version is **21.3036, 22.4131, 24.4078**.

A 20% lighter version of the original color is **44.8310, 49.6313, 73.5466**, and **7.7570, 8.9706, 16.3616** is the 20% darker color. If you saturate the color by 10%, you get **18.6759, 21.2529, 37.7686**, and if you desaturate by 10%, it is **24.1609, 26.7936, 38.5490**.

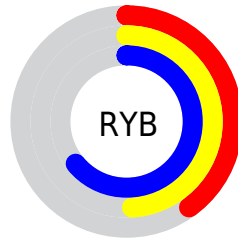
Distribution



Red (40%)

Green (55%)

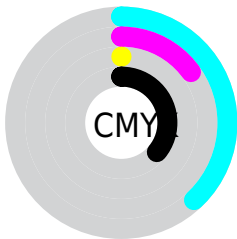
Blue (64%)



Red (40%)

Yellow (49%)

Blue (64%)

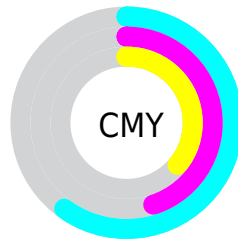


Cyan (38%)

Magenta (15%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (45%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2103, 23.8763, 38.1410 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 21.2103, 23.8763, 38.1410 by changing the saturation by 10% instead.

■ 21.2103, 23.8763,
38.1410

■ 21.2103, 23.8763,
38.1410

251.1046,
272.1945, 353.5407

■ 13.3911, 15.2419,
25.7895

■ 44.9259, 49.8283,
73.5300

■ 7.7773, 8.9893,
16.4418

■ 61.5531, 67.9146,
97.4046

■ 4.0034, 4.7342,
9.6796

■ 81.8470, 89.9204,
125.9572

■ 1.7040, 2.0922,
5.0842

■ 106.1729,
116.2300, 159.6065

■ 0.4588, 0.6602,
2.2372

134.8963,
147.2278, 198.7710

■ 0.0000, 0.0000,
0.6957

168.3825,

■ 0.0000, 0.0000,

183.2982, 243.8691

0.0000

206.9968,
224.8257, 295.3195

■ 21.2103, 23.8763,
38.1410

■ 21.2103, 23.8763,
38.1410

■ 18.6759, 21.2529,
37.7686

■ 24.1609, 26.7936,
38.5490

■ 16.5330, 18.9079,
37.4289

■ 27.5461, 30.0139,
38.9922

■ 14.7578, 16.8280,
37.1210

■ 31.3858, 33.5493,
39.4722

■ 13.3224, 14.9976,
36.8434

■ 35.6979, 37.4103,
39.9902

■ 12.1947, 13.3986,
36.5942

■ 40.4994, 41.6068,
40.5471

■ 11.3189, 12.0008,
36.3706

■ 45.8062, 46.1482,
41.1440

■ 11.1592, 11.7408,
36.3288

■ 51.6339, 51.0436,
41.7817

■ 57.9968, 56.3017,
42.4613

■ 64.9092, 61.9307,
43.1835

Harmonies

Analogous

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



19.6695, 23.8763, 33.6835



21.2103, 23.8763, 38.1410



23.2400, 23.8763, 39.1152

Triad

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



21.2103, 23.8763, 38.1410



26.9027, 23.8763, 24.4757



20.3255, 23.8763, 17.9356

Complementary

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



21.2103, 23.8763, 38.1410



24.7872, 23.3937, 15.5216

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.



22.1560, 23.8763, 16.1988



21.2103, 23.8763, 38.1410



26.0130, 23.8763, 19.5794

Square

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



21.2103, 23.8763, 38.1410



26.6112, 23.8763, 30.5882



24.2447, 23.8763, 16.7508



19.1809, 23.8763, 21.8903

Rectangle

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



21.2103, 23.8763, 38.1410



24.6135, 23.8763, 37.5388



24.2447, 23.8763, 16.7508



20.8764, 23.8763, 17.1030

Sweetspot

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



21.2111, 23.8772, 38.1416



53.9401, 58.0152, 70.4112



22.1514, 30.4363, 24.0319



11.9142, 12.8460, 15.7891



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.



21.2111, 23.8772, 38.1416



33.9461, 38.5911, 67.7158



17.3655, 16.1861, 36.8597



7.0448, 7.5486, 8.9888



8.7176, 9.2146, 28.2489



0.2270, 0.2812, 0.6082

Inverse Universe

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



24.4188, 18.9586, 26.7995



40.7373, 29.1001, 43.4960



29.3030, 32.4253, 17.0269



7.2476, 7.1555, 8.2901



13.5457, 6.7743, 10.0642



0.3067, 0.1512, 0.3278

Previews

White Background



This preview shows how the XYZ color 21.2103, 23.8763, 38.1410 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 21.2103, 23.8763, 38.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

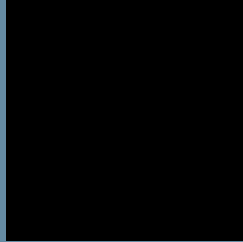
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2103, 23.8763, 38.1410

Background



This preview shows how black text looks on a background with the XYZ color 21.2103, 23.8763, 38.1410.



This preview shows how white text looks on a background with the XYZ color 21.2103, 23.8763,

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

21.2103, 23.8763, 38.1410

Protanopia

23.5476, 23.8675, 36.1667

Deuteranopia

24.2679, 23.7745, 38.9072



Tritanopia

20.2294, 23.9134, 33.2553

Trichromacy



Original Color

21.2103, 23.8763, 38.1410

Protanomaly

22.4803, 23.7176, 36.6508

Deuteranomaly

22.9717, 23.7236, 38.4903

Tritanomaly

20.5244, 23.8091, 34.9664

Monochromacy



Original Color

21.2103, 23.8763, 38.1410

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8778, 22.6500, 28.8627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2103, 23.8763, 38.1410 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(101, 139, 163)` looks like.

```
.text, #text, p{  
    color:rgb(101, 139, 163)  
}
```

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(101, 139, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 139, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.2103, 23.8763, 38.1410 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(101, 139, 163) }
```


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

```
.border{ border-color:rgb(101, 139, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 139, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 139, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 139, 163);  
box-shadow:4px 4px 4px 4px rgb(101, 139,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2103, 23.8763, 38.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 139, 163) }
```

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

```
.background{ background-color: rgb(101,  
139, 163) }
```

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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