

Converting Colors

XYZ(20.1496, 23.4114, 6.3278)

Have a look what the booklet for
XYZ(20.1496, 23.4114, 6.3278)
contains.

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Color

**XYZ(20.1738, 23.4055,
6.3602)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8831
RGB	140, 136, 49
RGB Percent	55%, 53%, 19%
CMY	0.4510, 0.4667, 0.8078
CMYK	0.00, 0.03, 0.65, 0.45
HSL	57°, 48%, 37%
HSV	57°, 65%, 55%
XYZ	20.1738, 23.4055, 6.3602
YIQ	127.2780, 30.3110, -26.2090

Conversions

Conversions Part 2

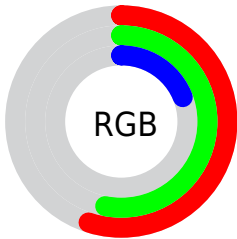
Format	Color
RYB	53, 140, 49
Decimal	9209905
CIELab	55.49, -9.88, 45.65
CIELCh	55, 46.711, 102.214
Yxy	23.4055, 0.4040, 0.4687
Android (android.graphics.Color)	4287399985 (0xFF8C8831)
YUV	127.2780, -38.5911, 11.1572
Hunter-Lab	48.3792, -10.2304, 26.0709

Details

The XYZ color **20.1738, 23.4055, 6.3602** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.2735, 5.0926, 25.4106**, and the grayscale version is **20.3904, 21.4522, 23.3615**.

A 20% lighter version of the original color is **43.2628, 49.0511, 19.2442**, and **7.3387, 8.8426, 1.3200** is the 20% darker color. If you saturate the color by 10%, you get **19.8370, 23.1335, 5.0100**, and if you desaturate by 10%, it is **20.6040, 23.7174, 8.1950**.

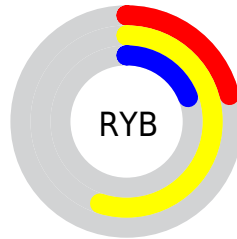
Distribution



Red (55%)

Green (53%)

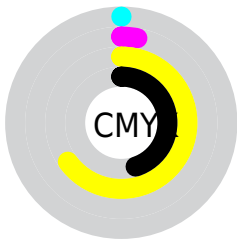
Blue (19%)



Red (21%)

Yellow (55%)

Blue (19%)

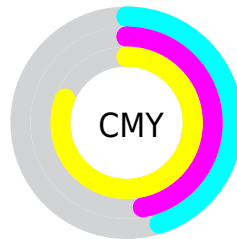


Cyan (0%)

Magenta (3%)

Yellow (65%)

Black (45%)



Cyan (45%)

Magenta (47%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1738, 23.4055, 6.3602 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 20.1738, 23.4055, 6.3602 by changing the saturation by 10% instead.

■ 20.1738, 23.4055,
6.3602

■ 20.1738, 23.4055,
6.3602

245.6701,
269.8009, 171.6603

■ 12.6304, 14.8932,
2.9930

■ 43.2101, 49.0583,
19.1645

■ 7.2498, 8.7445,
1.0911

■ 59.4338, 66.9676,
29.4387

■ 3.6665, 4.5749,
0.0000

■ 79.2816, 88.7780,
42.8523

■ 1.5153, 2.0001,
0.0000

■ 103.1188,
114.8740, 59.8238

■ 0.3362, 0.6075,
0.0000

■ 131.3110,
145.6399, 80.7718

■ 0.0000, 0.0000,
0.0000

■ 164.2234,

181.4601, 106.1149

202.2213,
222.7189, 136.2715

■ 20.1738, 23.4055,
6.3602

■ 20.1738, 23.4055,
6.3602

■ 19.8370, 23.1335,
5.0100

■ 20.6040, 23.7174,
8.1950

■ 19.5831, 22.8946,
4.0966

■ 21.1338, 24.0691,
10.5537

■ 19.4007, 22.6850,
3.5572

■ 21.7704, 24.4643,
13.4729

■ 19.3198, 22.5847,
3.3410

■ 22.5202, 24.9056,
16.9857

■ 23.3891, 25.3952,
21.1227

■ 24.3823, 25.9355,
25.9123

■ 25.5050, 26.5283,
31.3812

■ 26.7620, 27.1757,
37.5545

■ 28.1577, 27.8793,
44.4562

Harmonies

Analogous

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



25.4820, 23.4055, 6.6536



20.1738, 23.4055, 6.3602



16.1175, 23.4055, 9.4848

Triad

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



20.1738, 23.4055, 6.3602



15.5629, 23.4055, 50.3303



33.3371, 23.4055, 35.3995

Complementary

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



20.1738, 23.4055, 6.3602



7.2735, 5.0926, 25.4106

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.



29.7597, 23.4055, 53.5314



20.1738, 23.4055, 6.3602



19.2967, 23.4055, 64.2277

Square

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



20.1738, 23.4055, 6.3602



13.7509, 23.4055, 32.1190



24.4559, 23.4055, 65.5874



33.6716, 23.4055, 19.8332

Rectangle

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



20.1738, 23.4055, 6.3602



14.4425, 23.4055, 14.2232



24.4559, 23.4055, 65.5874



32.4507, 23.4055, 41.5186

Sweetspot

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



20.1743, 23.4066, 6.3607



40.5352, 44.3822, 33.8904



12.5691, 8.0345, 4.3236



9.2512, 10.1764, 7.3852



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.



20.1743, 23.4066, 6.3607



34.7483, 40.5827, 7.9943



15.0837, 21.6335, 6.2867



5.4126, 5.8079, 5.3882



17.1704, 20.0751, 2.9699



0.1168, 0.1388, 0.0206

Inverse Universe

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



7.2735, 5.0926, 25.4106



10.1924, 5.7426, 44.3142



10.0438, 6.2616, 25.4902



4.7911, 4.9252, 6.3040



4.2693, 1.8088, 22.1698



0.0304, 0.0160, 0.1479

Previews

White Background



This preview shows how the XYZ color 20.1738, 23.4055, 6.3602 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 20.1738, 23.4055, 6.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

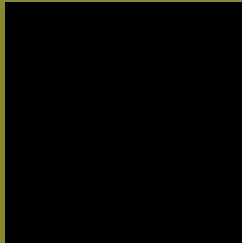
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1738, 23.4055, 6.3602

Background



This preview shows how black text looks on a background with the XYZ color 20.1738, 23.4055, 6.3602.



This preview shows how white text looks on a background with the XYZ color 20.1738, 23.4055,

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

20.1738, 23.4055, 6.3602

Protanopia

21.1338, 23.2844, 6.1768

Deuteranopia

23.5977, 23.1690, 6.4771



Tritanopia

24.3175, 23.2808, 26.8789

Trichromacy



Original Color

20.1738, 23.4055, 6.3602

Protanomaly

20.7357, 23.2833, 6.1976

Deuteranomaly

22.2905, 23.2722, 6.4491

Tritanomaly

22.2095, 23.0049, 16.6344

Monochromacy



Original Color

20.1738, 23.4055, 6.3602

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7505, 21.7716, 14.9658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1738, 23.4055, 6.3602 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(140, 136, 49)` looks like.

```
.text, #text, p{  
    color:rgb(140, 136, 49)  
}
```

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(140, 136, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 136, 49) }
```

Border

The CSS property to change the border of an element to XYZ 20.1738, 23.4055, 6.3602 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(140, 136, 49) }
```


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

```
.border{ border-color:rgb(140, 136, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 136, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 136, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 136, 49);  
box-shadow:4px 4px 4px 4px rgb(140, 136,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1738, 23.4055, 6.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 136, 49) }
```

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

```
.background{ background-color: rgb(140,  
136, 49) }
```

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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