

Converting Colors

XYZ(23.2264, 15.8239, 10.6342)

Have a look what the booklet for
XYZ(23.2264, 15.8239, 10.6342)
contains.

XYZ(23.2265, 15.8240, 10.6343)	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(23.2265, 15.8240,
10.6343)**

Conversions

Conversions Part 1

Format	Color
Hex	B44E56
RGB	180, 78, 86
RGB Percent	71%, 31%, 34%
CMY	0.2941, 0.6941, 0.6627
CMYK	0.00, 0.57, 0.52, 0.29
HSL	355°, 40%, 51%
HSV	355°, 57%, 71%
XYZ	23.2265, 15.8240, 10.6343
YIQ	109.4100, 58.2240, 24.1120

Conversions

Conversions Part 2

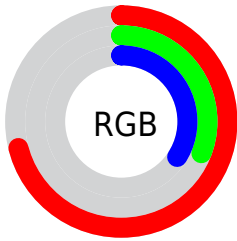
Format	Color
R_{YB}	180, 78, 86
Decimal	11816534
CIE _{Lab}	46.74, 42.15, 16.07
CIE _{LCh}	47, 45.115, 20.871
Yxy	15.8240, 0.4675, 0.3185
Android (android.graphics.Color)	4290006614 (0xFFB44E56)
YUV	109.4100, -11.5411, 61.9074
Hunter-Lab	39.7794, 34.6091, 11.9955

Details

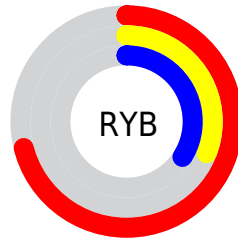
The XYZ color **23.2265, 15.8240, 10.6343** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.9105, 37.2411, 44.8023**, and the grayscale version is **14.6732, 15.4373, 16.8113**.

A 20% lighter version of the original color is **48.3617, 36.2681, 27.7441**, and **8.7739, 4.9929, 2.5991** is the 20% darker color. If you saturate the color by 10%, you get **21.5255, 13.3705, 7.1437**, and if you desaturate by 10%, it is **25.4334, 19.0412, 15.0591**.

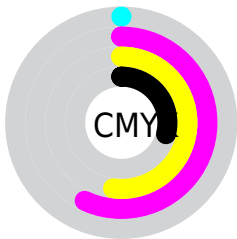
Distribution



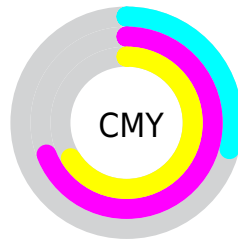
- Red (71%)
- Green (31%)
- Blue (34%)



- Red (71%)
- Yellow (31%)
- Blue (34%)



- Cyan (0%)
- Magenta (57%)
- Yellow (52%)
- Black (29%)



- Cyan (29%)
- Magenta (69%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2265, 15.8240, 10.6343 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 23.2265, 15.8240, 10.6343 by changing the saturation by 10% instead.

■ 23.2265, 15.8240,
10.6343

■ 23.2265, 15.8240,
10.6343

261.3999,
228.3009, 205.7877

■ 14.8825, 9.3997,
5.7104

■ 48.2289, 36.2924,
27.6082

■ 8.8227, 5.0028,
2.6039

■ 65.6180, 51.1053,
40.4952

■ 4.6819, 2.2489,
0.8945

■ 86.7527, 69.4831,
56.8738

■ 2.0947, 0.7465,
0.0000

■ 111.9986, 91.8104,
77.1624

■ 0.6863, 0.0000,
0.0000

■ 141.7209,
118.4714, 101.7795

■ 0.0000, 0.0000,
0.0000

176.2850,

149.8505, 131.1437

216.0562,
186.3323, 165.6736

■ 23.2265, 15.8240,
10.6343

■ 23.2265, 15.8240,
10.6343

■ 21.5255, 13.3705,
7.1437

■ 25.4334, 19.0412,
15.0591

■ 20.2890, 11.6151,
4.5194

■ 28.1809, 23.0755,
20.4779

■ 19.4711, 10.4856,
2.6855

■ 31.5019, 27.9785,
26.9463

■ 19.0106, 9.8829,
1.5510

■ 35.4265, 33.7967,
34.5156

■ 18.9023, 9.7353,
1.3022

■ 39.9825, 40.5734,
43.2339

■ 45.1961, 48.3491,
53.1461

■ 51.0921, 57.1621,
64.2950

■ 57.6937, 67.0485,
76.7212

■ 65.0234, 78.0427,
90.4635

Harmonies

Analogous

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



23.7631, 15.8240, 20.8810



23.2265, 15.8240, 10.6343



20.3078, 15.8240, 5.3340

Triad

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



23.2265, 15.8240, 10.6343



9.9244, 15.8240, 6.8922



13.8774, 15.8240, 48.4798

Complementary

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



23.2265, 15.8240, 10.6343



26.9105, 37.2411, 44.8023

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.



10.7727, 15.8240, 39.9449



23.2265, 15.8240, 10.6343



8.7655, 15.8240, 14.0309

Square

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



23.2265, 15.8240, 10.6343



12.5149, 15.8240, 3.9170



9.0465, 15.8240, 26.1071



17.8844, 15.8240, 46.2403

Rectangle

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



23.2265, 15.8240, 10.6343



17.6441, 15.8240, 3.8341



9.0465, 15.8240, 26.1071



12.7061, 15.8240, 46.6746

Sweetspot

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



23.2269, 15.8249, 10.6346



63.7561, 60.5681, 61.6623



27.8668, 17.4592, 45.0810



13.4615, 12.6183, 12.7150



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2269, 15.8249, 10.6346



38.3939, 23.3337, 11.6210



26.9749, 23.8078, 10.3826



8.5225, 8.5157, 8.9839



13.2032, 6.7988, 0.9640



0.4243, 0.2175, 0.0770

Inverse Universe

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



23.2269, 15.8249, 10.6346



38.3939, 23.3337, 11.6210



20.3979, 22.9498, 46.5345



8.5225, 8.5157, 8.9839



13.2032, 6.7988, 0.9640



0.4243, 0.2175, 0.0770

Previews

White Background



This preview shows how the XYZ color 23.2265, 15.8240, 10.6343 looks on a white 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

Black Background



This preview shows how the XYZ color 23.2265, 15.8240, 10.6343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

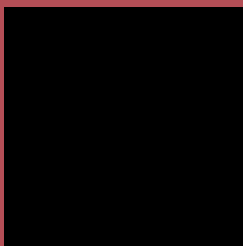
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2265, 15.8240, 10.6343

Background



This preview shows how black text looks on a background with the XYZ color 23.2265, 15.8240, 10.6343.



This preview shows how white text looks on a background with the XYZ color 23.2265, 15.8240,

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

23.2265, 15.8240, 10.6343

Protanopia

15.2852, 16.0412, 14.8610

Deuteranopia

16.2586, 16.0150, 10.0189



Tritanopia

23.1470, 15.7922, 10.2157

Trichromacy



Original Color

23.2265, 15.8240, 10.6343

Protanomaly

17.2206, 15.2572, 13.1036

Deuteranomaly

18.1386, 15.3798, 10.1962

Tritanomaly

23.1865, 15.8080, 10.4235

Monochromacy



Original Color

23.2265, 15.8240, 10.6343

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.7083, 14.8258, 14.2930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2265, 15.8240, 10.6343 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(180, 78, 86)` looks like.

```
.text, #text, p{  
    color:rgb(180, 78, 86)  
}
```

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(180, 78, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 78, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.2265, 15.8240, 10.6343 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(180, 78, 86) }
```


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

```
.border{ border-color:rgb(180, 78, 86) }
```

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

Here you see how a box with a 4 pixel rgb(180, 78, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 78, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 78, 86);  
box-shadow:4px 4px 4px 4px rgb(180, 78,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2265, 15.8240, 10.6343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 78, 86) }
```

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

```
.background{ background-color: rgb(180, 78,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor