

Converting Colors

XYZ(20.3964, 15.1636, 7.1985)

Have a look what the booklet for
XYZ(20.3964, 15.1636, 7.1985)
contains.

XYZ(20.4101, 15.2271, 7.1736)	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(20.4101, 15.2271,
7.1736)**

Conversions

Conversions Part 1

Format	Color
Hex	A85543
RGB	168, 85, 67
RGB Percent	66%, 33%, 26%
CMY	0.3412, 0.6666, 0.7373
CMYK	0.00, 0.49, 0.60, 0.34
HSL	11°, 43%, 46%
HSV	11°, 60%, 66%
XYZ	20.4101, 15.2271, 7.1736
YIQ	107.7650, 55.2460, 11.9980

Conversions

Conversions Part 2

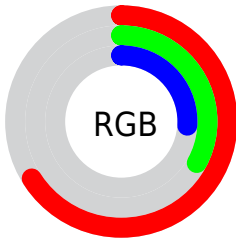
Format	Color
RYB	168, 89, 67
Decimal	11031875
CIELab	45.94, 32.42, 26.02
CIELCh	46, 41.568, 38.757
Yxy	15.2271, 0.4768, 0.3557
Android (android.graphics.Color)	4289221955 (0xFFA85543)
YUV	107.7650, -20.0971, 52.8261
Hunter-Lab	39.0219, 25.0746, 16.4158

Details

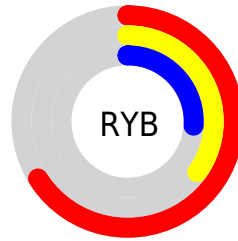
The XYZ color **20.4101, 15.2271, 7.1736** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.2883, 25.8317, 40.9624**, and the grayscale version is **14.2322, 14.9733, 16.3060**.

A 20% lighter version of the original color is **43.5772, 35.1770, 20.7127**, and **7.3411, 4.7031, 1.3315** is the 20% darker color. If you saturate the color by 10%, you get **18.9945, 13.0888, 4.5657**, and if you desaturate by 10%, it is **22.1847, 17.8496, 10.6227**.

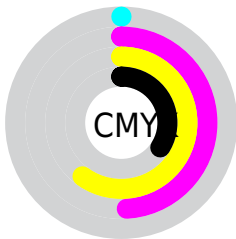
Distribution



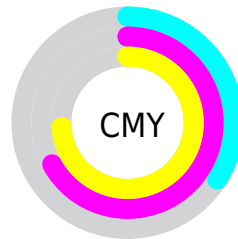
- Red (66%)
- Green (33%)
- Blue (26%)



- Red (66%)
- Yellow (35%)
- Blue (26%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (34%)



- Cyan (34%)
- Magenta (67%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4101, 15.2271, 7.1736 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 20.4101, 15.2271, 7.1736 by changing the saturation by 10% instead.

■ 20.4101, 15.2271,
7.1736

■ 20.4101, 15.2271,
7.1736

246.9181,
224.7367, 178.7838

■ 12.8035, 8.9789,
3.4908

■ 43.6024, 35.2511,
20.8404

■ 7.3694, 4.7274,
1.3504

■ 59.9188, 49.7957,
31.6615

■ 3.7426, 2.0882,
0.1026

■ 79.8692, 67.8746,
45.6991

■ 1.5576, 0.6580,
0.0000

■ 103.8189, 89.8721,
63.3718

■ 0.3645, 0.0000,
0.0000

■ 132.1333,
116.1727, 85.0980

■ 0.0000, 0.0000,
0.0000

■ 165.1777,

147.1607, 111.2964

203.3175,
183.2206, 142.3855

■ 20.4101, 15.2271,
7.1736

■ 20.4101, 15.2271,
7.1736

■ 18.9945, 13.0888,
4.5657

■ 22.1847, 17.8496,
10.6227

■ 17.9113, 11.4023,
2.7253

■ 24.3402, 20.9813,
14.9766

■ 17.1320, 10.1350,
1.5674

■ 26.8977, 24.6482,
20.2934

■ 16.6114, 9.2507,
0.9101

■ 29.8766, 28.8739,
26.6263

■ 33.2951, 33.6807,
34.0247

■ 37.1702, 39.0894,
42.5345

■ 41.5179, 45.1200,
52.1991

■ 46.3535, 51.7914,
63.0595

■ 51.6919, 59.1218,
75.1547

Harmonies

Analogous

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



22.2346, 15.2271, 13.8037



20.4101, 15.2271, 7.1736



17.0629, 15.2271, 4.2901

Triad

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



20.4101, 15.2271, 7.1736



9.0425, 15.2271, 10.5079



15.5266, 15.2271, 44.0176

Complementary

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



20.4101, 15.2271, 7.1736



20.2883, 25.8317, 40.9624

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.



12.1592, 15.2271, 41.9609



20.4101, 15.2271, 7.1736



8.7672, 15.2271, 19.7050

Square

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



20.4101, 15.2271, 7.1736



10.6403, 15.2271, 5.6016



9.8157, 15.2271, 31.8917



19.1304, 15.2271, 36.7221

Rectangle

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



20.4101, 15.2271, 7.1736



14.6201, 15.2271, 3.7795



9.8157, 15.2271, 31.8917



14.3267, 15.2271, 44.4429

Sweetspot

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



20.4105, 15.2279, 7.1739



55.2655, 53.8773, 50.5737



23.7551, 14.5790, 30.9111



11.6893, 11.2401, 10.2580



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.4105, 15.2279, 7.1739



33.7754, 22.6848, 7.0706



25.7328, 25.8726, 8.9480



7.6353, 7.7506, 7.8829



12.5722, 7.0416, 0.6965



0.3362, 0.2319, 0.0270

Inverse Universe

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



20.2883, 25.8317, 40.9624



33.4393, 43.4636, 73.8520



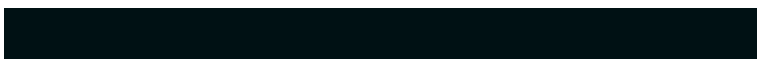
14.0041, 13.2633, 38.8676



7.6321, 8.3012, 9.6184



12.2399, 15.9401, 30.4071



0.3267, 0.4455, 0.7494

Previews

White Background



This preview shows how the XYZ color 20.4101, 15.2271, 7.1736 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 20.4101, 15.2271, 7.1736 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 20.4101, 15.2271, 7.1736

Background



This preview shows how black text looks on a background with the XYZ color 20.4101, 15.2271, 7.1736.



This preview shows how white text looks on a background with the XYZ color 20.4101, 15.2271,

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

20.4101, 15.2271, 7.1736

Protanopia

14.2794, 15.3247, 9.2265

Deuteranopia

15.5204, 15.2461, 6.8274



Tritanopia

21.1409, 15.1742, 11.0472

Trichromacy



Original Color

20.4101, 15.2271, 7.1736

Protanomaly

15.9131, 14.8296, 8.3270

Deuteranomaly

17.0542, 15.0305, 6.8528

Tritanomaly

20.9034, 15.2007, 9.4217

Monochromacy



Original Color

20.4101, 15.2271, 7.1736

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.7389, 14.6505, 12.3542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4101, 15.2271, 7.1736 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(168, 85, 67)` looks like.

```
.text, #text, p{  
    color:rgb(168, 85, 67)  
}
```

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(168, 85, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 85, 67) }
```

Border

The CSS property to change the border of an element to XYZ 20.4101, 15.2271, 7.1736 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(168, 85, 67) }
```


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

```
.border{ border-color:rgb(168, 85, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 85, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 85, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 85, 67);  
box-shadow:4px 4px 4px 4px rgb(168, 85,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4101, 15.2271, 7.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 85, 67) }
```

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

```
.background{ background-color: rgb(168, 85,  
67) }
```

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