

Converting Colors

XYZ(18.3666, 20.9273, 3.0714)

Have a look what the booklet for
XYZ(18.3666, 20.9273, 3.0714)
contains.

XYZ(18.3666, 20.9273, 3.0714)	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(18.3666, 20.9273,
3.0714)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8000
RGB	139, 128, 0
RGB Percent	55%, 50%, 0%
CMY	0.4549, 0.4980, 1.0000
CMYK	0.00, 0.08, 1.00, 0.45
HSL	55°, 100%, 27%
HSV	55°, 100%, 55%
XYZ	18.3666, 20.9273, 3.0714
YIQ	116.6970, 47.6440, -37.4760

Conversions

Conversions Part 2

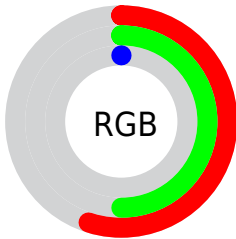
Format	Color
R_{YB}	12, 139, 0
Decimal	9142272
CIE Lab	52.87, -7.78, 57.86
CIE LCh	53, 58.380, 97.663
Yxy	20.9273, 0.4335, 0.4940
Android (android.graphics.Color)	4287332352 (0xFF8B8000)
YUV	116.6970, -57.5316, 19.5597
Hunter-Lab	45.7464, -8.3906, 28.0417

Details

The XYZ color **18.3666, 20.9273, 3.0714** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.7800, 2.1036, 24.5799**, and the grayscale version is **16.9775, 17.8617, 19.4514**.

A 20% lighter version of the original color is **40.0993, 44.7835, 11.8408**, and **6.5423, 7.5233, 1.1073** is the 20% darker color. If you saturate the color by 10%, you get **18.3669, 20.9281, 3.0715**, and if you desaturate by 10%, it is **18.5899, 21.2482, 3.5338**.

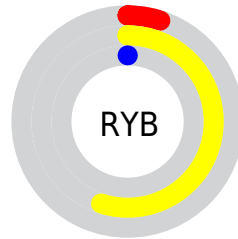
Distribution



Red (55%)

Green (50%)

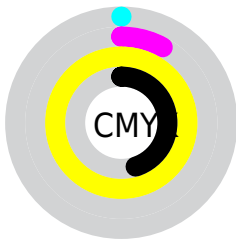
Blue (0%)



Red (5%)

Yellow (55%)

Blue (0%)

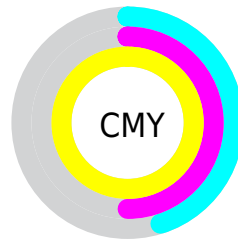


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3666, 20.9273, 3.0714 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 18.3666, 20.9273, 3.0714 by changing the saturation by 10% instead.

■ 18.3666, 20.9273,
3.0714

■ 18.3666, 20.9273,
3.0714

235.9352,
256.8919, 137.2649

■ 11.3148, 13.0709,
1.1312

■ 40.1862, 44.9665,
11.8041

■ 6.3478, 7.4774,
0.0000

■ 55.6847, 61.9181,
19.4337

■ 3.1004, 3.7624,
0.0000

■ 74.7295, 82.6702,
29.7969

■ 1.2071, 1.5416,
0.0000

■ 97.6860, 107.6071,
43.3121


■ 0.1119, 0.3177,
0.0000


■ 124.9194,
137.1134, 60.3980


■ 0.0000, 0.0000,
0.0000


■ 156.7952,


171.5733, 81.4731


 193.6786,
211.3714, 106.9558


 18.3666, 20.9273,
3.0714


 18.3666, 20.9273,
3.0714


 18.3669, 20.9281,
3.0715

 18.5899, 21.2482,
3.5338

 18.8643, 21.5912,
4.2600

 19.2171, 21.9681,
5.3908

 19.6576, 22.3825,
6.9758

 20.1938, 22.8378,
9.0574

■ 20.8330, 23.3368,
11.6733

■ 21.5816, 23.8820,
14.8574

■ 22.4455, 24.4760,
18.6409

■ 23.4302, 25.1208,
23.0527

Harmonies

Analogous

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



24.6926, 20.9273, 3.6933



18.3666, 20.9273, 3.0714



13.5474, 20.9273, 5.1922

Triad

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



18.3666, 20.9273, 3.0714



11.9720, 20.9273, 50.1091



32.8399, 20.9273, 38.0952

Complementary

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



18.3666, 20.9273, 3.0714



4.7800, 2.1036, 24.5799

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.



27.9574, 20.9273, 61.0909



18.3666, 20.9273, 3.0714



15.7557, 20.9273, 70.1545

Square

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



18.3666, 20.9273, 3.0714



10.3798, 20.9273, 27.5681



21.4970, 20.9273, 74.9625



33.9356, 20.9273, 18.5921

Rectangle

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



18.3666, 20.9273, 3.0714



11.5317, 20.9273, 9.1221



21.4970, 20.9273, 74.9625



31.5451, 20.9273, 45.9064

Sweetspot

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



18.3671, 20.9283, 3.0718



38.5547, 42.7021, 26.1985



10.7113, 5.5147, 0.8348



8.7645, 9.7539, 5.5248



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.



18.3671, 20.9283, 3.0718



32.8366, 37.3674, 5.4820



12.6334, 20.2182, 3.2370



5.3978, 5.7784, 5.3832



16.5829, 18.9002, 2.7741



0.1148, 0.1349, 0.0200

Inverse Universe

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



4.7800, 2.1036, 24.5799



8.5070, 3.6611, 44.0013



6.4007, 2.7615, 24.6215



4.8044, 4.9518, 6.3084



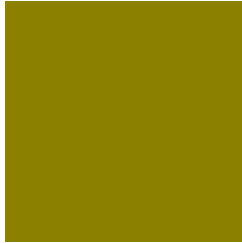
4.3199, 1.9102, 22.1867



0.0323, 0.0199, 0.1486

Previews

White Background



This preview shows how the XYZ color 18.3666, 20.9273, 3.0714 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 18.3666, 20.9273, 3.0714 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 18.3666, 20.9273, 3.0714

Background



This preview shows how black text looks on a background with the XYZ color 18.3666, 20.9273, 3.0714.

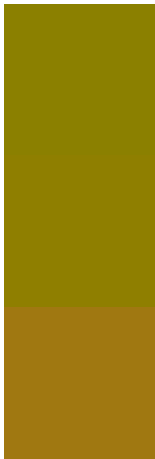


This preview shows how white text looks on a background with the XYZ color 18.3666, 20.9273,

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

18.3666, 20.9273, 3.0714

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.3149, 20.9470, 3.4501



Tritanopia

22.5257, 20.9552, 23.2796

Trichromacy



Original Color

18.3666, 20.9273, 3.0714

Protanomaly

18.7447, 20.9295, 3.0519

Deuteranomaly

20.0923, 20.8655, 3.2851

Tritanomaly

19.9463, 20.4424, 10.6791

Monochromacy



Original Color

18.3666, 20.9273, 3.0714

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5309, 18.5291, 9.1838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3666, 20.9273, 3.0714 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(139, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 128, 0)  
}
```

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(139, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3666, 20.9273, 3.0714 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(139, 128, 0) }
```


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

```
.border{ border-color:rgb(139, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3666, 20.9273, 3.0714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 128, 0) }
```

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

```
.background{ background-color: rgb(139,  
128, 0) }
```

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