

Converting Colors

XYZ(20.0774, 19.9662, 6.8658)

Have a look what the booklet for
XYZ(20.0774, 19.9662, 6.8658)
contains.

XYZ(20.1487, 20.0887, 6.9532)	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(20.1487, 20.0887,
6.9532)**

Conversions

Conversions Part 1

Format	Color
Hex	97773B
RGB	151, 119, 59
RGB Percent	59%, 47%, 23%
CMY	0.4078, 0.5333, 0.7686
CMYK	0.00, 0.21, 0.61, 0.41
HSL	39°, 44%, 41%
HSV	39°, 61%, 59%
XYZ	20.1487, 20.0887, 6.9532
YIQ	121.7280, 38.3320, -11.8760

Conversions

Conversions Part 2

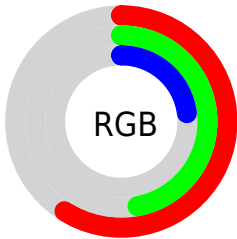
Format	Color
R_{YB}	108, 151, 59
Decimal	9926459
CIE _{Lab}	51.94, 5.30, 37.19
CIE _{LCh}	52, 37.567, 81.894
Y _{xy}	20.0887, 0.4270, 0.4257
Android (android.graphics.Color)	4288116539 (0xFF97773B)
YUV	121.7280, -30.9249, 25.6715
Hunter-Lab	44.8204, 1.8077, 22.1764

Details

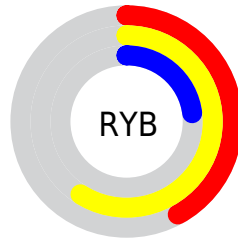
The XYZ color **20.1487, 20.0887, 6.9532** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.1304, 10.6458, 30.7462**, and the grayscale version is **18.4992, 19.4626, 21.1948**.

A 20% lighter version of the original color is **43.2821, 43.6184, 20.3253**, and **7.2378, 7.0698, 1.2703** is the 20% darker color. If you saturate the color by 10%, you get **19.2046, 18.7393, 4.9780**, and if you desaturate by 10%, it is **21.2416, 21.5545, 9.5374**.

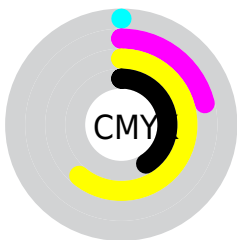
Distribution



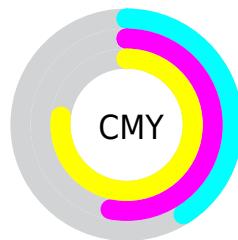
- Red (59%)
- Green (47%)
- Blue (23%)



- Red (42%)
- Yellow (59%)
- Blue (23%)



- Cyan (0%)
- Magenta (21%)
- Yellow (61%)
- Black (41%)



- Cyan (41%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1487, 20.0887, 6.9532 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 20.1487, 20.0887, 6.9532 by changing the saturation by 10% instead.

■ 20.1487, 20.0887,
6.9532

■ 20.1487, 20.0887,
6.9532

245.5372,
252.3949, 176.8904

■ 12.6121, 12.4595,
3.3548

■ 43.1684, 43.5658,
20.3903

■ 7.2371, 7.0575,
1.2786

■ 59.3822, 60.1826,
31.0661

■ 3.6585, 3.4981,
0.0441

■ 79.2190, 80.5640,
44.9381

■ 1.5108, 1.3970,
0.0000

■ 103.0444,
105.0945, 62.4248

■ 0.3332, 0.2145,
0.0000

■ 131.2235,
134.1585, 83.9449

■ 0.0000, 0.0000,
0.0000

■ 164.1218,

168.1402, 109.9169

202.1046,
207.4243, 140.7592

■ 20.1487, 20.0887,
6.9532

■ 20.1487, 20.0887,
6.9532

■ 19.2046, 18.7393,
4.9780

■ 21.2416, 21.5545,
9.5374

■ 18.3973, 17.4981,
3.5574

■ 22.4913, 23.1384,
12.7763

■ 17.7148, 16.3604,
2.6291

■ 23.9068, 24.8455,
16.7128

■ 17.1755, 15.4055,
2.0683

■ 25.4959, 26.6800,
21.3854

■ 27.2660, 28.6454,
26.8300

■ 29.2238, 30.7453,
33.0803

■ 31.3758, 32.9830,
40.1675

■ 33.7281, 35.3619,
48.1217

■ 36.2865, 37.8848,
56.9711

Harmonies

Analogous

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



23.9971, 20.0887, 9.1406



20.1487, 20.0887, 6.9532



16.4825, 20.0887, 7.5803

Triad

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



20.1487, 20.0887, 6.9532



13.0546, 20.0887, 30.6970



25.4794, 20.0887, 37.6009

Complementary

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



20.1487, 20.0887, 6.9532



11.1304, 10.6458, 30.7462

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.



21.9671, 20.0887, 47.7886



20.1487, 20.0887, 6.9532



14.9084, 20.0887, 42.9643

Square

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



20.1487, 20.0887, 6.9532



12.7035, 20.0887, 19.0379



18.0762, 20.0887, 50.0244



27.3319, 20.0887, 24.9768

Rectangle

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



20.1487, 20.0887, 6.9532



14.5950, 20.0887, 9.6497



18.0762, 20.0887, 50.0244



24.4331, 20.0887, 41.5768

Sweetspot

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



20.1492, 20.0897, 6.9536



46.4423, 48.6614, 40.6663



16.2234, 10.4661, 11.1081



10.3681, 10.8487, 8.6749



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.1492, 20.0897, 6.9536



33.8552, 32.7523, 7.9074



22.2053, 27.7841, 8.3304



6.5280, 6.8610, 6.5861



14.6391, 13.1606, 1.7687



0.2526, 0.2642, 0.0377

Inverse Universe

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



11.1304, 10.6458, 30.7462



16.3094, 14.4323, 54.3598



9.8825, 6.7711, 30.0640



6.0514, 6.3602, 7.8377



5.8411, 4.0788, 25.3871



0.1192, 0.1247, 0.3902

Previews

White Background



This preview shows how the XYZ color 20.1487, 20.0887, 6.9532 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 20.1487, 20.0887, 6.9532 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 20.1487, 20.0887, 6.9532

Background



This preview shows how black text looks on a background with the XYZ color 20.1487, 20.0887, 6.9532.



This preview shows how white text looks on a background with the XYZ color 20.1487, 20.0887,

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

20.1487, 20.0887, 6.9532

Protanopia

18.3665, 20.0706, 7.3209

Deuteranopia

20.4047, 20.0449, 6.9313



Tritanopia

22.9557, 20.0367, 20.7467

Trichromacy



Original Color

20.1487, 20.0887, 6.9532

Protanomaly

18.9305, 19.9961, 7.1369

Deuteranomaly

20.2167, 19.9480, 6.9225

Tritanomaly

21.6618, 20.0133, 14.2765

Monochromacy



Original Color

20.1487, 20.0887, 6.9532

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7624, 19.5621, 14.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1487, 20.0887, 6.9532 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(151, 119, 59)` looks like.

```
.text, #text, p{  
    color:rgb(151, 119, 59)  
}
```

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(151, 119, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 119, 59) }
```

Border

The CSS property to change the border of an element to XYZ 20.1487, 20.0887, 6.9532 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(151, 119, 59) }
```


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

```
.border{ border-color:rgb(151, 119, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 119, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 119, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 119, 59);  
box-shadow:4px 4px 4px 4px rgb(151, 119,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1487, 20.0887, 6.9532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 119, 59) }
```

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

```
.background{ background-color: rgb(151,  
119, 59) }
```

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