

Converting Colors

XYZ(20.8291, 20.6851, 11.8727)

Have a look what the booklet for
XYZ(20.8291, 20.6851, 11.8727)
contains.

XYZ(20.7704, 20.6588, 11.9096)	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(20.7704, 20.6588,
11.9096)**

Conversions

Conversions Part 1

Format	Color
Hex	947957
RGB	148, 121, 87
RGB Percent	58%, 47%, 34%
CMY	0.4196, 0.5255, 0.6588
CMYK	0.00, 0.18, 0.41, 0.42
HSL	33°, 26%, 46%
HSV	33°, 41%, 58%
XYZ	20.7704, 20.6588, 11.9096
YIQ	125.1970, 27.0060, -4.8500

Conversions

Conversions Part 2

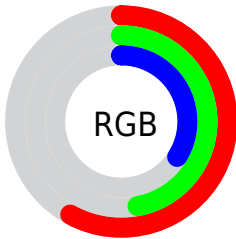
Format	Color
R_{YB}	135, 148, 87
Decimal	9730391
CIE _{Lab}	52.57, 5.59, 22.58
CIE _{LCh}	53, 23.264, 76.102
Yxy	20.6588, 0.3894, 0.3873
Android (android.graphics.Color)	4287920471 (0xFF947957)
YUV	125.1970, -18.8311, 19.9982
Hunter-Lab	45.4520, 2.0291, 16.2808

Details

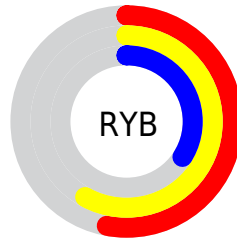
The XYZ color **20.7704, 20.6588, 11.9096** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2928, 16.1982, 30.3374**, and the grayscale version is **19.6149, 20.6364, 22.4731**.

A 20% lighter version of the original color is **44.0875, 44.3898, 29.9113**, and **7.6067, 7.4120, 3.1276** is the 20% darker color. If you saturate the color by 10%, you get **19.4577, 18.9038, 8.7886**, and if you desaturate by 10%, it is **22.2622, 22.5735, 15.7024**.

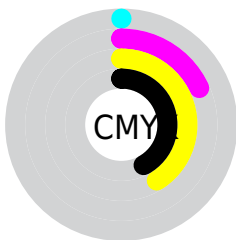
Distribution



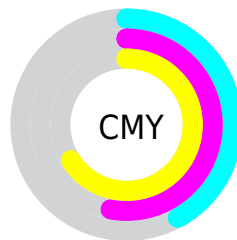
- Red (58%)
- Green (47%)
- Blue (34%)



- Red (53%)
- Yellow (58%)
- Blue (34%)



- Cyan (0%)
- Magenta (18%)
- Yellow (41%)
- Black (42%)



- Cyan (42%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7704, 20.6588, 11.9096 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 20.7704, 20.6588, 11.9096 by changing the saturation by 10% instead.

■ 20.7704, 20.6588,
11.9096

■ 20.7704, 20.6588,
11.9096

248.8106,
255.4596, 214.7625

■ 13.0678, 12.8748,
6.5604

■ 44.1993, 44.5190,
29.9923

■ 7.5526, 7.3424,
3.1145

■ 60.6562, 61.3640,
43.5628

■ 3.8594, 3.6771,
1.1534

■ 80.7620, 81.9981,
60.7108

■ 1.6229, 1.4947,
0.0000

■ 104.8819,
106.8058, 81.8549

■ 0.4073, 0.2850,
0.0000

■ 133.3814,
136.1714, 107.4136

■ 0.0000, 0.0000,
0.0000

166.6258,

170.4793, 137.8054

204.9804,
210.1139, 173.4488

■ 20.7704, 20.6588,
11.9096

■ 20.7704, 20.6588,
11.9096

■ 19.4577, 18.9038,
8.7886

■ 22.2622, 22.5735,
15.7024

■ 18.3138, 17.3003,
6.2976

■ 23.9396, 24.6498,
20.2030

■ 17.3296, 15.8437,
4.3921

■ 25.8106, 26.8933,
25.4460

■ 16.4946, 14.5280,
3.0210

■ 27.8821, 29.3083,
31.4636

■ 15.7960, 13.3463,
2.1244

■ 30.1608, 31.8990,
38.2861

■ 15.2679, 12.4063,
1.5900

■ 32.6529, 34.6695,
45.9419

■ 35.3646, 37.6236,
54.4584

■ 38.3016, 40.7650,
63.8613

■ 41.4693, 44.0974,
74.1756

Harmonies

Analogous

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



23.0290, 20.6588, 14.2184



20.7704, 20.6588, 11.9096



18.3775, 20.6588, 11.9963

Triad

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



20.7704, 20.6588, 11.9096



15.5094, 20.6588, 26.3813



23.1695, 20.6588, 33.0141

Complementary

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



20.7704, 20.6588, 11.9096



15.2928, 16.1982, 30.3374

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.



20.9497, 20.6588, 37.8151



20.7704, 20.6588, 11.9096



16.5930, 20.6588, 33.4827

Square

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



20.7704, 20.6588, 11.9096



15.4700, 20.6588, 19.4529



18.5428, 20.6588, 38.0023



24.4889, 20.6588, 25.8364

Rectangle

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



20.7704, 20.6588, 11.9096



17.0284, 20.6588, 13.3807



18.5428, 20.6588, 38.0023



22.4961, 20.6588, 35.0184

Sweetspot

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



20.7709, 20.6598, 11.9100



45.1875, 47.0328, 43.8891



18.6839, 14.3376, 17.8370



10.2256, 10.6300, 9.7642



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.7709, 20.6598, 11.9100



34.6024, 33.7234, 16.1266



23.9784, 27.8831, 13.1352



6.0528, 6.3193, 6.1412



13.0687, 10.6519, 1.3672



0.1894, 0.1893, 0.0265

Inverse Universe

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



15.2928, 16.1982, 30.3374



23.6529, 24.8120, 52.9771



12.9750, 11.1309, 29.4815



5.6981, 6.0302, 7.3334



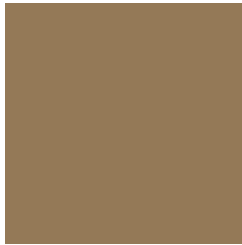
6.2313, 5.1574, 24.5981



0.1049, 0.1203, 0.3106

Previews

White Background



This preview shows how the XYZ color 20.7704, 20.6588, 11.9096 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 20.7704, 20.6588, 11.9096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

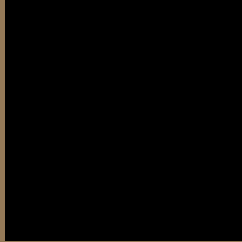
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7704, 20.6588, 11.9096

Background



This preview shows how black text looks on a background with the XYZ color 20.7704, 20.6588, 11.9096.



This preview shows how white text looks on a background with the XYZ color 20.7704, 20.6588,

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

20.7704, 20.6588, 11.9096

Protanopia

19.2557, 20.7939, 12.4499

Deuteranopia

21.0144, 20.6051, 11.8864



Tritanopia

22.8960, 20.6469, 22.1805

Trichromacy



Original Color

20.7704, 20.6588, 11.9096

Protanomaly

19.7843, 20.6953, 12.1844

Deuteranomaly

20.8312, 20.5106, 11.8778

Tritanomaly

22.1102, 20.6839, 17.8660

Monochromacy



Original Color

20.7704, 20.6588, 11.9096

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7498, 20.5495, 17.9645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7704, 20.6588, 11.9096 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(148, 121, 87)` looks like.

```
.text, #text, p{  
    color:rgb(148, 121, 87)  
}
```

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(148, 121, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 121, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.7704, 20.6588, 11.9096 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(148, 121, 87) }
```


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

```
.border{ border-color:rgb(148, 121, 87) }
```

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

Here you see how a box with a 4 pixel rgb(148, 121, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 121, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 121, 87);  
box-shadow:4px 4px 4px 4px rgb(148, 121,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7704, 20.6588, 11.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 121, 87) }
```

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

```
.background{ background-color: rgb(148,  
121, 87) }
```

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