

Converting Colors

XYZ(9.6088, 6.6515, 0.7797)

Have a look what the booklet for
XYZ(9.6088, 6.6515, 0.7797)
contains.

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Color

XYZ(9.5980, 6.6412, 0.7760)

Conversions

Conversions Part 1

Format	Color
Hex	7D3200
RGB	125, 50, 0
RGB Percent	49%, 20%, 0%
CMY	0.5098, 0.8039, 1.0000
CMYK	0.00, 0.60, 1.00, 0.51
HSL	24°, 100%, 25%
HSV	24°, 100%, 49%
XYZ	9.5980, 6.6412, 0.7760
YIQ	66.7250, 60.7500, 0.3500

Conversions

Conversions Part 2

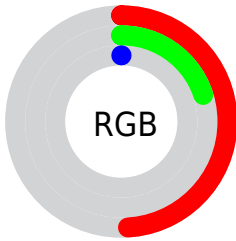
Format	Color
R_{YB}	125, 83, 0
Decimal	8204800
CIE Lab	30.98, 30.35, 42.31
CIE LCh	31, 52.070, 54.341
Yxy	6.6412, 0.5641, 0.3903
Android (android.graphics.Color)	4286394880 (0xFF7D3200)
YUV	66.7250, -32.8954, 51.1072
Hunter-Lab	25.7705, 21.3823, 16.2540

Details

The XYZ color **9.5980, 6.6412, 0.7760** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **6.2173, 6.5121, 20.3310**, and the grayscale version is **5.3355, 5.6134, 6.1130**.

A 20% lighter version of the original color is **24.7834, 19.3358, 5.3317**, and **2.3948, 1.2507, 0.1152** is the 20% darker color. If you saturate the color by 10%, you get **9.5981, 6.6415, 0.7761**, and if you desaturate by 10%, it is **10.0150, 7.3641, 1.2577**.

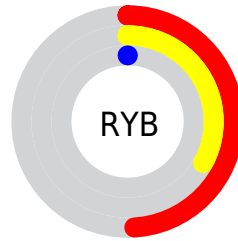
Distribution



Red (49%)

Green (20%)

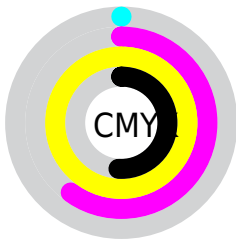
Blue (0%)



Red (49%)

Yellow (33%)

Blue (0%)

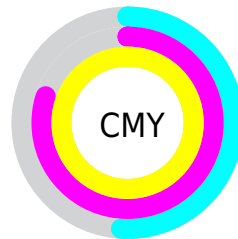


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 9.5980, 6.6412, 0.7760 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 9.5980, 6.6412, 0.7760 by changing the saturation by 10% instead.


 9.5980, 6.6412,
0.7760


 9.5980, 6.6412,
0.7760


 181.8926,
164.6482, 99.1566


 5.1935, 3.2387,
0.0000

 24.6932, 19.2477,
5.3314


 2.3971, 1.2576,
0.0000


 36.1145, 29.2205,
10.0581

 0.8437, 0.1080,
0.0000

 50.6055, 42.1522,
16.9796

 0.0000, 0.0000,
0.0000


 68.5315, 58.4272,
26.5143


 90.2579, 78.4299,
39.0808


 116.1499,


102.5447, 55.0977


 146.5731,
131.1560, 74.9834

 9.5980, 6.6412,
0.7760


 9.5980, 6.6412,
0.7760


 9.5981, 6.6415,
0.7761

 10.0150, 7.3641,
1.2577

 10.5233, 8.2112,
1.9500

 11.1492, 9.1968,
2.9793

 11.9019, 10.3280,
4.3839

 12.7896, 11.6113,
6.1969

■ 13.8197, 13.0527,
8.4478

■ 14.9989, 14.6578,
11.1631

■ 16.3336, 16.4320,
14.3675

■ 17.8296, 18.3804,
18.0837

Harmonies

Analogous

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



11.8699, 6.6412, 2.8715



9.5980, 6.6412, 0.7760



6.8047, 6.6412, 0.1112

Triad

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



9.5980, 6.6412, 0.7760



2.6006, 6.6412, 5.9412



8.5397, 6.6412, 28.8344

Complementary

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



9.5980, 6.6412, 0.7760



6.2173, 6.5121, 20.3310

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.



5.8441, 6.6412, 31.8825



9.5980, 6.6412, 0.7760



2.8337, 6.6412, 14.6372

Square

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



9.5980, 6.6412, 0.7760



3.1247, 6.6412, 1.7672



3.8777, 6.6412, 25.5126



11.1533, 6.6412, 18.7893

Rectangle

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



9.5980, 6.6412, 0.7760



5.1813, 6.6412, 0.2069



3.8777, 6.6412, 25.5126



7.5969, 6.6412, 30.9068

Sweetspot

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



9.5981, 6.6416, 0.7761



26.6973, 26.0302, 19.6085



9.7273, 4.8679, 7.0835



5.9019, 5.6900, 4.0625



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.5981, 6.6416, 0.7761



17.0520, 11.6213, 1.3444



14.3067, 16.0587, 2.3456



4.4580, 4.6047, 4.5740



10.0111, 6.9186, 0.8078



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2173, 6.5121, 20.3310



10.9884, 11.3706, 36.3600



3.8392, 1.7559, 19.5383



4.3065, 4.6071, 5.4756



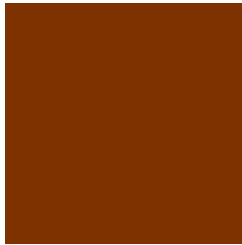
6.4821, 6.7827, 21.2175



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.5980, 6.6412, 0.7760 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 ✓ Pass

Black Background



This preview shows how the XYZ color 9.5980, 6.6412, 0.7760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 9.5980, 6.6412, 0.7760

Background



This preview shows how black text looks on a background with the XYZ color 9.5980, 6.6412, 0.7760.



This preview shows how white text looks on a background with the XYZ color 9.5980, 6.6412, 0.7760.

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

9.5980, 6.6412, 0.7760

Protanopia

6.0824, 6.7631, 1.3327

Deuteranopia

6.7044, 6.7075, 0.9413



Tritanopia

10.1751, 6.6904, 3.6608

Trichromacy



Original Color

9.5980, 6.6412, 0.7760

Protanomaly

6.9711, 6.3948, 1.0966

Deuteranomaly

7.6032, 6.5583, 0.8651

Tritanomaly

9.9085, 6.6485, 2.0574

Monochromacy



Original Color

9.5980, 6.6412, 0.7760

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.1293, 5.5866, 3.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5980, 6.6412, 0.7760 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(125, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 50, 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(125, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.5980, 6.6412, 0.7760 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(125, 50, 0) }
```

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

```
.border{ border-color:rgb(125, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 50, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 9.5980, 6.6412, 0.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 50, 0) }
```

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

```
.background{ background-color: rgb(125, 50,  
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](#).

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