

Converting Colors

XYZ(20.5355, 20.1443, 7.2505)

Have a look what the booklet for
XYZ(20.5355, 20.1443, 7.2505)
contains.

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Color

**XYZ(20.4576, 20.0661,
7.2098)**

Conversions

Conversions Part 1

Format	Color
Hex	99763D
RGB	153, 118, 61
RGB Percent	60%, 46%, 24%
CMY	0.4000, 0.5372, 0.7608
CMYK	0.00, 0.23, 0.60, 0.40
HSL	37°, 43%, 42%
HSV	37°, 60%, 60%
XYZ	20.4576, 20.0661, 7.2098
YIQ	121.9670, 39.1570, -10.3070

Conversions

Conversions Part 2

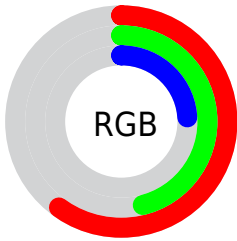
Format	Color
R_{YB}	117, 153, 61
Decimal	10057277
CIE _{Lab}	51.91, 6.92, 36.18
CIE _{LCh}	52, 36.833, 79.167
Yxy	20.0661, 0.4286, 0.4204
Android (android.graphics.Color)	4288247357 (0xFF99763D)
YUV	121.9670, -30.0567, 27.2159
Hunter-Lab	44.7952, 3.1279, 21.8139

Details

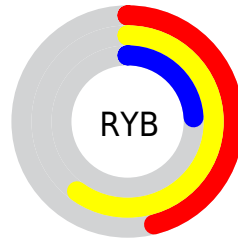
The XYZ color **20.4576, 20.0661, 7.2098** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.8569, 11.6572, 31.7620**, and the grayscale version is **18.5744, 19.5417, 21.2810**.

A 20% lighter version of the original color is **43.7675, 43.5769, 20.8562**, and **7.4084, 7.0620, 1.3534** is the 20% darker color. If you saturate the color by 10%, you get **19.4386, 18.5962, 5.1190**, and if you desaturate by 10%, it is **21.6375, 21.6696, 9.9348**.

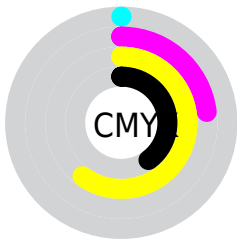
Distribution



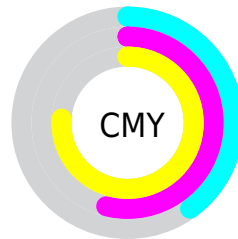
- Red (60%)
- Green (46%)
- Blue (24%)



- Red (46%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (40%)



- Cyan (40%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4576, 20.0661, 7.2098 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 20.4576, 20.0661, 7.2098 by changing the saturation by 10% instead.

■ 20.4576, 20.0661,
7.2098

■ 20.4576, 20.0661,
7.2098

247.1683,
252.2727, 179.0923

■ 12.8383, 12.4431,
3.5132

■ 43.6812, 43.5280,
20.9141

■ 7.3935, 7.0462,
1.3623

■ 60.0162, 60.1356,
31.7588

■ 3.7579, 3.4910,
0.1120

■ 79.9871, 80.5070,
45.8234

■ 1.5661, 1.3931,
0.0000

■ 103.9593,
105.0264, 63.5263

■ 0.3702, 0.2117,
0.0000

■ 132.2982,
134.0783, 85.2861

■ 0.0000, 0.0000,
0.0000

■ 165.3691,

168.0471, 111.5214

203.5374,
207.3171, 142.6506

■ 20.4576, 20.0661,
7.2098

■ 20.4576, 20.0661,
7.2098

■ 19.4386, 18.5962,
5.1190

■ 21.6375, 21.6696,
9.9348

■ 18.5680, 17.2514,
3.6066

■ 22.9866, 23.4088,
13.3410

■ 17.8333, 16.0262,
2.6092

■ 24.5143, 25.2895,
17.4721

■ 17.2110, 14.9206,
1.9729

■ 26.2290, 27.3161,
22.3680

■ 28.1381, 29.4927,
28.0656

■ 30.2490, 31.8233,
34.5993

■ 32.5683, 34.3116,
42.0016

■ 35.1025, 36.9612,
50.3032

■ 37.8578, 39.7756,
59.5333

Harmonies

Analogous

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



24.1776, 20.0661, 9.6665



20.4576, 20.0661, 7.2098



16.8048, 20.0661, 7.5865

Triad

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



20.4576, 20.0661, 7.2098



13.0481, 20.0661, 29.3414



25.0545, 20.0661, 38.2934

Complementary

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



20.4576, 20.0661, 7.2098



11.8569, 11.6572, 31.7620

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.



21.5350, 20.0661, 47.6844



20.4576, 20.0661, 7.2098



14.7415, 20.0661, 41.4568

Square

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



20.4576, 20.0661, 7.2098



12.8389, 20.0661, 18.1979



17.7509, 20.0661, 49.0012



27.0533, 20.0661, 25.9574

Rectangle

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



20.4576, 20.0661, 7.2098



14.8769, 20.0661, 9.4445



17.7509, 20.0661, 49.0012



23.9902, 20.0661, 42.0502

Sweetspot

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



20.4581, 20.0671, 7.2102



47.5542, 49.5920, 41.7622



16.9293, 10.9594, 12.3541



10.3067, 10.7260, 8.6544



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.



20.4581, 20.0671, 7.2102



34.2707, 32.4864, 8.1662



23.4346, 28.8937, 8.7570



6.5114, 6.8279, 6.5806



14.2575, 12.3974, 1.6415



0.2481, 0.2552, 0.0362

Inverse Universe

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



11.8569, 11.6572, 31.7620



17.5049, 16.1388, 56.1645



10.0713, 7.0051, 30.9581



6.0675, 6.3923, 7.8430



6.0412, 4.4791, 25.4538



0.1237, 0.1337, 0.3917

Previews

White Background



This preview shows how the XYZ color 20.4576, 20.0661, 7.2098 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 20.4576, 20.0661, 7.2098 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 20.4576, 20.0661, 7.2098

Background



This preview shows how black text looks on a background with the XYZ color 20.4576, 20.0661, 7.2098.



This preview shows how white text looks on a background with the XYZ color 20.4576, 20.0661,

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

20.4576, 20.0661, 7.2098

Protanopia

18.4214, 20.0925, 7.6100

Deuteranopia

20.4576, 20.0661, 7.2098



Tritanopia

23.1752, 19.9940, 20.4071

Trichromacy



Original Color

20.4576, 20.0661, 7.2098

Protanomaly

19.1567, 20.1065, 7.4287

Deuteranomaly

20.4576, 20.0661, 7.2098

Tritanomaly

21.9797, 20.0034, 14.5070

Monochromacy



Original Color

20.4576, 20.0661, 7.2098

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8105, 19.5814, 14.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4576, 20.0661, 7.2098 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(153, 118, 61)` looks like.

```
.text, #text, p{  
    color:rgb(153, 118, 61)  
}
```

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(153, 118, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 118, 61) }
```

Border

The CSS property to change the border of an element to XYZ 20.4576, 20.0661, 7.2098 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(153, 118, 61) }
```


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

```
.border{ border-color:rgb(153, 118, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 118, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 118, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 118, 61);  
box-shadow:4px 4px 4px 4px rgb(153, 118,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4576, 20.0661, 7.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 118, 61) }
```

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

```
.background{ background-color: rgb(153,  
118, 61) }
```

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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