

Converting Colors

XYZ(20.4929, 19.3581, 7.2438)

Have a look what the booklet for
XYZ(20.4929, 19.3581, 7.2438)
contains.

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Color

**XYZ(20.5971, 19.4503,
7.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	9C723E
RGB	156, 114, 62
RGB Percent	61%, 45%, 24%
CMY	0.3882, 0.5529, 0.7569
CMYK	0.00, 0.27, 0.60, 0.39
HSL	33°, 43%, 43%
HSV	33°, 60%, 61%
XYZ	20.5971, 19.4503, 7.2261
YIQ	120.6300, 41.7240, -7.2680

Conversions

Conversions Part 2

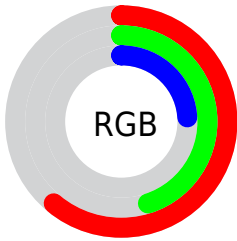
Format	Color
R_{YB}	138, 156, 62
Decimal	10252862
CIE _{Lab}	51.21, 10.63, 34.91
CIE _{LCh}	51, 36.487, 73.066
Yxy	19.4503, 0.4357, 0.4114
Android (android.graphics.Color)	4288442942 (0xFF9C723E)
YUV	120.6300, -28.9046, 31.0195
Hunter-Lab	44.1025, 6.1851, 21.1572

Details

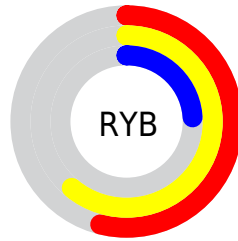
The XYZ color **20.5971, 19.4503, 7.2261** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9374, 13.3245, 33.3424**, and the grayscale version is **18.1358, 19.0803, 20.7784**.

A 20% lighter version of the original color is **43.9460, 42.5663, 20.9388**, and **7.4013, 6.6976, 1.3546** is the 20% darker color. If you saturate the color by 10%, you get **19.4726, 17.7909, 5.0341**, and if you desaturate by 10%, it is **21.9053, 21.2806, 10.0860**.

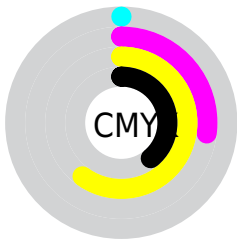
Distribution



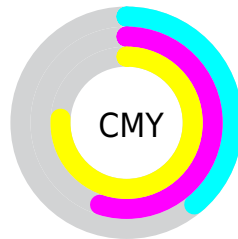
- Red (61%)
- Green (45%)
- Blue (24%)



- Red (54%)
- Yellow (61%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (39%)



- Cyan (39%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5971, 19.4503, 7.2261 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 20.5971, 19.4503, 7.2261 by changing the saturation by 10% instead.

■ 20.5971, 19.4503,
7.2261

■ 20.5971, 19.4503,
7.2261

247.9019,
248.9235, 179.2310

■ 12.9406, 11.9961,
3.5233

■ 43.9124, 42.4936,
20.9472

■ 7.4644, 6.7410,
1.3677

■ 60.3019, 58.8515,
31.8026

■ 3.8031, 3.3007,
0.1163

■ 80.3330, 78.9462,
45.8793

■ 1.5913, 1.2906,
0.0000

■ 104.3713,
103.1619, 63.5958

■ 0.3868, 0.1339,
0.0000

■ 132.7819,
131.8831, 85.3707

■ 0.0000, 0.0000,
0.0000

■ 165.9303,

165.4941, 111.6225

204.1819,
204.3795, 142.7698

■ 20.5971, 19.4503,
7.2261

■ 20.5971, 19.4503,
7.2261

■ 19.4726, 17.7909,
5.0341

■ 21.9053, 21.2806,
10.0860

■ 18.5184, 16.2926,
3.4514

■ 23.4067, 23.2853,
13.6636

■ 17.7206, 14.9484,
2.4109

■ 25.1117, 25.4714,
18.0049

■ 17.0623, 13.7721,
1.7590

■ 27.0293, 27.8443,
23.1520

■ 29.1680, 30.4095,
29.1437

■ 31.5358, 33.1718,
36.0164

■ 34.1403, 36.1362,
43.8043

■ 36.9885, 39.3071,
52.5397

■ 40.0874, 42.6891,
62.2534

Harmonies

Analogous

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



24.0741, 19.4503, 10.2443



20.5971, 19.4503, 7.2261



16.9523, 19.4503, 7.0568

Triad

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



20.5971, 19.4503, 7.2261



12.4832, 19.4503, 26.0303



23.6787, 19.4503, 39.4132

Complementary

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



20.5971, 19.4503, 7.2261



12.9374, 13.3245, 33.3424

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.



20.1115, 19.4503, 47.2538



20.5971, 19.4503, 7.2261



13.8389, 19.4503, 37.9861

Square

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



20.5971, 19.4503, 7.2261



12.5773, 19.4503, 15.8692



16.5260, 19.4503, 46.6596



26.0068, 19.4503, 27.5558

Rectangle

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



20.5971, 19.4503, 7.2261



14.9316, 19.4503, 8.4476



16.5260, 19.4503, 46.6596



22.5660, 19.4503, 42.7566

Sweetspot

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



20.5976, 19.4513, 7.2265



49.7995, 51.4312, 43.9976



17.9469, 11.5189, 14.4544



10.7362, 11.0474, 9.0710



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5976, 19.4513, 7.2265



34.7862, 31.4197, 8.1178



25.5762, 30.7327, 9.1416



6.9220, 7.2240, 7.0152



14.0892, 11.4140, 1.4605



0.2938, 0.2878, 0.0401

Inverse Universe

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



12.9374, 13.3245, 33.3424



19.6442, 19.3349, 59.8234



10.0177, 7.0284, 32.2810



6.5165, 6.8987, 8.3948



6.7648, 5.6212, 26.6357



0.1626, 0.1837, 0.4901

Previews

White Background



This preview shows how the XYZ color 20.5971, 19.4503, 7.2261 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 20.5971, 19.4503, 7.2261 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 20.5971, 19.4503, 7.2261

Background



This preview shows how black text looks on a background with the XYZ color 20.5971, 19.4503, 7.2261.



This preview shows how white text looks on a background with the XYZ color 20.5971, 19.4503,

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

20.5971, 19.4503, 7.2261

Protanopia

17.9053, 19.4516, 7.8119

Deuteranopia

19.6654, 19.3117, 7.1059



Tritanopia

23.0122, 19.4597, 19.0662

Trichromacy



Original Color

20.5971, 19.4503, 7.2261

Protanomaly

18.8499, 19.4035, 7.6022

Deuteranomaly

19.9219, 19.2738, 7.0851

Tritanomaly

21.9853, 19.3673, 13.6458

Monochromacy



Original Color

20.5971, 19.4503, 7.2261

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6102, 18.9453, 14.7325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5971, 19.4503, 7.2261 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(156, 114, 62)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 62)  
}
```

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(156, 114, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 62) }
```

Border

The CSS property to change the border of an element to XYZ 20.5971, 19.4503, 7.2261 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(156, 114, 62) }
```


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

```
.border{ border-color:rgb(156, 114, 62) }
```

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

Here you see how a box with a 4 pixel rgb(156, 114, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 114, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 114, 62);  
box-shadow:4px 4px 4px 4px rgb(156, 114,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5971, 19.4503, 7.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 114, 62) }
```

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

```
.background{ background-color: rgb(156,  
114, 62) }
```

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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