

Converting Colors

XYZ(20.4738, 17.5640, 4.3047)

Have a look what the booklet for
XYZ(20.4738, 17.5640, 4.3047)
contains.

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Color

**XYZ(20.4442, 17.5485,
4.3171)**

Conversions

Conversions Part 1

Format	Color
Hex	A46628
RGB	164, 102, 40
RGB Percent	64%, 40%, 16%
CMY	0.3569, 0.6000, 0.8431
CMYK	0.00, 0.38, 0.76, 0.36
HSL	30°, 61%, 40%
HSV	30°, 76%, 64%
XYZ	20.4442, 17.5485, 4.3171
YIQ	113.4700, 56.8540, -6.1380

Conversions

Conversions Part 2

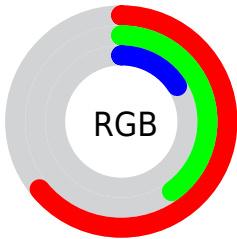
Format	Color
RYB	164, 164, 40
Decimal	10774056
CIELab	48.94, 19.65, 43.77
CIELCh	49, 47.982, 65.824
Yxy	17.5485, 0.4832, 0.4148
Android (android.graphics.Color)	4288964136 (0xFFA46628)
YUV	113.4700, -36.2207, 44.3148
Hunter-Lab	41.8909, 13.8050, 23.2135

Details

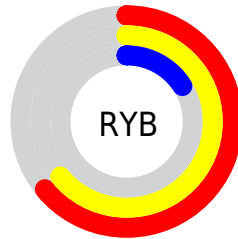
The XYZ color **20.4442, 17.5485, 4.3171** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.3268, 12.6333, 36.9104**, and the grayscale version is **15.9290, 16.7586, 18.2501**.

A 20% lighter version of the original color is **43.6258, 39.1917, 14.7166**, and **7.4296, 5.8582, 0.7392** is the 20% darker color. If you saturate the color by 10%, you get **19.4559, 15.9277, 2.8915**, and if you desaturate by 10%, it is **21.6314, 19.3779, 6.3933**.

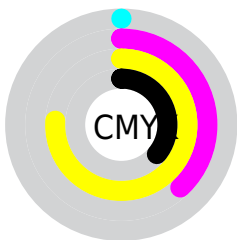
Distribution



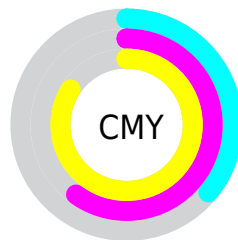
- Red (64%)
- Green (40%)
- Blue (16%)



- Red (64%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (38%)
- Yellow (76%)
- Black (36%)





- Cyan (36%)
- Magenta (60%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4442, 17.5485, 4.3171 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 20.4442, 17.5485, 4.3171 by changing the saturation by 10% instead.


 20.4442, 17.5485,
4.3171


 20.4442, 17.5485,
4.3171


247.0978,
238.3137, 151.6873

 12.8285, 10.6263,
1.8009


 43.6590, 39.2665,
14.7347


 7.3867, 5.8162,
0.4285


 59.9887, 54.8310,
23.4732


 3.7536, 2.7336,
0.0000

 79.9538, 74.0452,
35.1228

 1.5637, 0.9943,
0.0000

 103.9197, 97.2934,
50.1022

 0.3686, 0.0000,
0.0000

 132.2517,
124.9599, 68.8297

 0.0000, 0.0000,
0.0000

 165.3151,

157.4292, 91.7241

203.4754,
195.0857, 119.2038

■ 20.4442, 17.5485,
4.3171

■ 20.4442, 17.5485,
4.3171

■ 19.4559, 15.9277,
2.8915

■ 21.6314, 19.3779,
6.3933

■ 18.6456, 14.5011,
2.0231

■ 23.0318, 21.4230,
9.1900

■ 18.3274, 13.9279,
1.7224

■ 24.6595, 23.6935,
12.7691

■ 26.5269, 26.1976,
17.1857

■ 28.6453, 28.9431,
22.4895

■ 31.0252, 31.9370,
28.7265

■ 33.6765, 35.1865,
35.9394

■ 36.6084, 38.6981,
44.1685

■ 39.8298, 42.4780,
53.4514

Harmonies

Analogous

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



24.6449, 17.5485, 8.0347



20.4442, 17.5485, 4.3171



15.8240, 17.5485, 3.6078

Triad

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



20.4442, 17.5485, 4.3171



9.5190, 17.5485, 21.7100



22.2199, 17.5485, 46.7452

Complementary

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



20.4442, 17.5485, 4.3171



12.3268, 12.6333, 36.9104

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.



17.5649, 17.5485, 55.4419



20.4442, 17.5485, 4.3171



10.6468, 17.5485, 37.3918

Square

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



20.4442, 17.5485, 4.3171



10.0145, 17.5485, 10.7098



13.4076, 17.5485, 51.4186



25.7913, 17.5485, 31.0357

Rectangle

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



20.4442, 17.5485, 4.3171



13.2152, 17.5485, 4.4289



13.4076, 17.5485, 51.4186



20.7014, 17.5485, 50.8429

Sweetspot

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



20.4446, 17.5494, 4.3174



52.8957, 53.6809, 43.1394



18.4668, 10.3694, 13.5986



11.2554, 11.3423, 8.6380



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.4446, 17.5494, 4.3174



34.2417, 27.0378, 4.0427



28.9681, 34.5963, 7.1586



7.3527, 7.6437, 7.4679



14.1004, 10.7748, 1.3366



0.3435, 0.3209, 0.0438

Inverse Universe

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



12.3268, 12.6333, 36.9104



18.7672, 17.6666, 66.1732



8.3347, 4.6491, 35.5797



6.9793, 7.4176, 8.9670



7.4987, 6.7769, 27.8426



0.2048, 0.2369, 0.6008

Previews

White Background



This preview shows how the XYZ color 20.4442, 17.5485, 4.3171 looks on a white background.

Color Contrast Check

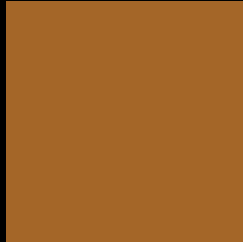
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4442, 17.5485, 4.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

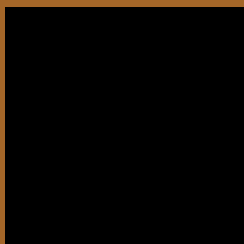
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4442, 17.5485, 4.3171

Background



This preview shows how black text looks on a background with the XYZ color 20.4442, 17.5485, 4.3171.



This preview shows how white text looks on a background with the XYZ color 20.4442, 17.5485,

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

20.4442, 17.5485, 4.3171

Protanopia

16.0218, 17.6503, 4.9453

Deuteranopia

17.8724, 17.6134, 4.2080



Tritanopia

22.7795, 17.6698, 15.0420

Trichromacy



Original Color

20.4442, 17.5485, 4.3171

Protanomaly

17.3855, 17.5135, 4.7496

Deuteranomaly

18.8493, 17.6374, 4.2446

Tritanomaly

21.7520, 17.5300, 9.8266

Monochromacy



Original Color

20.4442, 17.5485, 4.3171

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.6641, 16.5147, 11.1135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4442, 17.5485, 4.3171 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(164, 102, 40)` looks like.

```
.text, #text, p{  
    color:rgb(164, 102, 40)  
}
```

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(164, 102, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 102, 40) }
```

Border

The CSS property to change the border of an element to XYZ 20.4442, 17.5485, 4.3171 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(164, 102, 40) }
```


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

```
.border{ border-color:rgb(164, 102, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 102, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 102, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 102, 40);  
box-shadow:4px 4px 4px 4px rgb(164, 102,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4442, 17.5485, 4.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 102, 40) }
```

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

```
.background{ background-color: rgb(164,  
102, 40) }
```

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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