

Converting Colors

XYZ(20.6521, 17.9262, 5.5036)

Have a look what the booklet for
XYZ(20.6521, 17.9262, 5.5036)
contains.

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Color

**XYZ(20.6521, 17.9262,
5.5036)**

Conversions

Conversions Part 1

Format	Color
Hex	A36833
RGB	163, 104, 51
RGB Percent	64%, 41%, 20%
CMY	0.3608, 0.5921, 0.8000
CMYK	0.00, 0.36, 0.69, 0.36
HSL	28°, 52%, 42%
HSV	28°, 69%, 64%
XYZ	20.6521, 17.9262, 5.5036
YIQ	115.5990, 52.1770, -3.9750

Conversions

Conversions Part 2

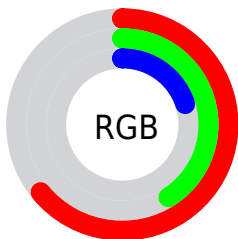
Format	Color
R_{YB}	163, 152, 51
Decimal	10709043
CIE _{Lab}	49.41, 18.67, 38.82
CIE _{LCh}	49, 43.077, 64.318
Yxy	17.9262, 0.4685, 0.4067
Android (android.graphics.Color)	4288899123 (0xFFA36833)
YUV	115.5990, -31.8473, 41.5707
Hunter-Lab	42.3393, 12.9741, 21.9306

Details

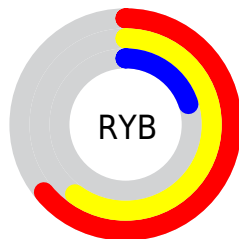
The XYZ color **20.6521, 17.9262, 5.5036** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.5516, 14.4992, 36.7344**, and the grayscale version is **16.5613, 17.4238, 18.9745**.

A 20% lighter version of the original color is **43.8404, 39.7349, 17.4156**, and **7.5375, 6.0564, 0.8292** is the 20% darker color. If you saturate the color by 10%, you get **19.5331, 16.1662, 3.6579**, and if you desaturate by 10%, it is **21.9859, 19.9145, 8.0429**.

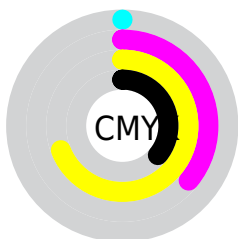
Distribution



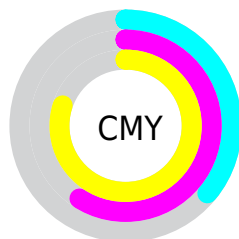
- Red (64%)
- Green (41%)
- Blue (20%)



- Red (64%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (36%)
- Yellow (69%)
- Black (36%)





- Cyan (36%)
- Magenta (59%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6521, 17.9262, 5.5036 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 20.6521, 17.9262, 5.5036 by changing the saturation by 10% instead.


 20.6521, 17.9262,
5.5036

 20.6521, 17.9262,
5.5036


248.1906,
240.4547, 163.7045


 12.9809, 10.8970,
2.4818


 44.0035, 39.9115,
17.3511


 7.4923, 5.9976,
0.8305


 60.4144, 55.6365,
27.0138


 3.8209, 2.8436,
0.0000

 80.4693, 75.0288,
39.7273

 1.6013, 1.0507,
0.0000

 104.5335, 98.4729,
55.9100

 0.3933, 0.0000,
0.0000

 132.9724,
126.3531, 75.9806

 0.0000, 0.0000,
0.0000

 166.1513,

159.0539, 100.3575

204.4356,
196.9596, 129.4593

■ 20.6521, 17.9262,
5.5036

■ 20.6521, 17.9262,
5.5036

■ 19.5331, 16.1662,
3.6579

■ 21.9859, 19.9145,
8.0429

■ 18.6113, 14.6208,
2.4308

■ 23.5477, 22.1381,
11.3379

■ 17.8576, 13.2750,
1.6815

■ 25.3507, 24.6069,
15.4451

■ 17.7678, 13.1138,
1.5948

■ 27.4068, 27.3293,
20.4151

■ 29.7269, 30.3133,
26.2944

■ 32.3213, 33.5664,
33.1261

■ 35.1994, 37.0958,
40.9506

■ 38.3705, 40.9085,
49.8060

■ 41.8433, 45.0110,
59.7281

Harmonies

Analogous

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



24.3372, 17.9262, 9.4287



20.6521, 17.9262, 5.5036



16.4570, 17.9262, 4.6314

Triad

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



20.6521, 17.9262, 5.5036



10.3766, 17.9262, 21.2518



21.8319, 17.9262, 44.4340

Complementary

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



20.6521, 17.9262, 5.5036



13.5516, 14.4992, 36.7344

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.



17.6332, 17.9262, 51.3976



20.6521, 17.9262, 5.5036



11.3675, 17.9262, 35.0403

Square

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



20.6521, 17.9262, 5.5036



10.9244, 17.9262, 11.3412



13.8728, 17.9262, 47.4129



25.0908, 17.9262, 30.9054

Rectangle

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



20.6521, 17.9262, 5.5036



14.0201, 17.9262, 5.4075



13.8728, 17.9262, 47.4129



20.4612, 17.9262, 47.8205

Sweetspot

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



20.6525, 17.9271, 5.5039



52.0786, 52.8108, 44.1066



19.1426, 11.2961, 16.1336



11.4495, 11.5441, 9.2773



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.



20.6525, 17.9271, 5.5039



34.1463, 27.5743, 5.3646



28.1457, 32.9134, 8.0016



7.3373, 7.6129, 7.4628



13.8539, 10.2817, 1.2544



0.3383, 0.3105, 0.0421

Inverse Universe

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



13.5516, 14.4992, 36.7344



20.5608, 20.9864, 65.0232



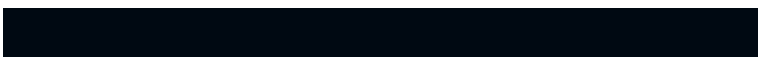
9.3298, 6.0554, 35.3271



6.9948, 7.4485, 8.9721



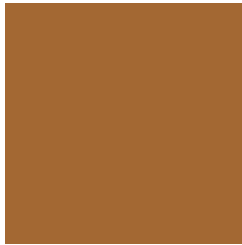
7.7613, 7.3019, 27.9301



0.2100, 0.2473, 0.6025

Previews

White Background



This preview shows how the XYZ color 20.6521, 17.9262, 5.5036 looks on a white background.

Color Contrast Check

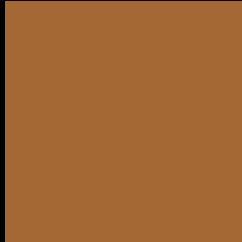
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6521, 17.9262, 5.5036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

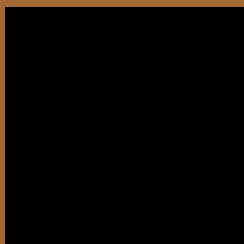
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6521, 17.9262, 5.5036

Background



This preview shows how black text looks on a background with the XYZ color 20.6521, 17.9262, 5.5036.



This preview shows how white text looks on a background with the XYZ color 20.6521, 17.9262,

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

20.6521, 17.9262, 5.5036

Protanopia

16.5281, 18.0580, 6.2288

Deuteranopia

18.2026, 17.9211, 5.4055



Tritanopia

22.6434, 17.8623, 15.6189

Trichromacy



Original Color

20.6521, 17.9262, 5.5036

Protanomaly

17.8987, 17.9162, 6.0048

Deuteranomaly

18.9933, 17.8430, 5.4606

Tritanomaly

21.7139, 17.7696, 10.8797

Monochromacy



Original Color

20.6521, 17.9262, 5.5036

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3988, 17.3476, 12.5566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6521, 17.9262, 5.5036 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(163, 104, 51)` looks like.

```
.text, #text, p{  
    color:rgb(163, 104, 51)  
}
```

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(163, 104, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 104, 51) }
```

Border

The CSS property to change the border of an element to XYZ 20.6521, 17.9262, 5.5036 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(163, 104, 51) }
```


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

```
.border{ border-color:rgb(163, 104, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 104, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 104, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 104, 51);  
box-shadow:4px 4px 4px 4px rgb(163, 104,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6521, 17.9262, 5.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 104, 51) }
```

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

```
.background{ background-color: rgb(163,  
104, 51) }
```

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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