

Converting Colors

XYZ(21.4997, 20.4699, 5.8996)

Have a look what the booklet for
XYZ(21.4997, 20.4699, 5.8996)
contains.

XYZ(21.4560, 20.4352, 5.9455)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4560, 20.4352,
5.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	A07533
RGB	160, 117, 51
RGB Percent	63%, 46%, 20%
CMY	0.3726, 0.5412, 0.8000
CMYK	0.00, 0.27, 0.68, 0.37
HSL	36°, 52%, 41%
HSV	36°, 68%, 63%
XYZ	21.4560, 20.4352, 5.9455
YIQ	122.3330, 46.8140, -11.4100

Conversions

Conversions Part 2

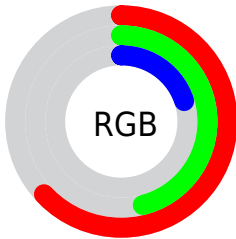
Format	Color
R_{YB}	122, 160, 51
Decimal	10515763
CIE _{Lab}	52.33, 9.94, 41.93
CIE _{LCh}	52, 43.088, 76.668
Yxy	20.4352, 0.4485, 0.4272
Android (android.graphics.Color)	4288705843 (0xFFA07533)
YUV	122.3330, -35.1672, 33.0340
Hunter-Lab	45.2053, 5.6130, 23.8458

Details

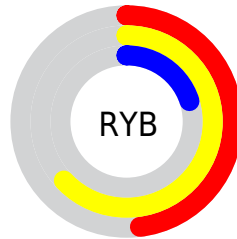
The XYZ color **21.4560, 20.4352, 5.9455** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.7128, 11.2467, 34.8109**, and the grayscale version is **18.7089, 19.6832, 21.4350**.

A 20% lighter version of the original color is **45.4017, 44.2015, 18.1954**, and **7.9538, 7.2595, 0.9820** is the 20% darker color. If you saturate the color by 10%, you get **20.4515, 18.8970, 4.1598**, and if you desaturate by 10%, it is **22.6324, 22.1232, 8.3878**.

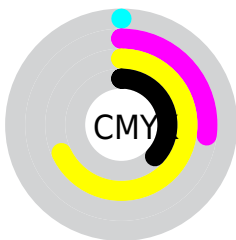
Distribution



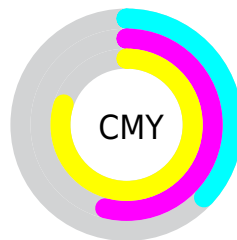
- Red (63%)
- Green (46%)
- Blue (20%)



- Red (48%)
- Yellow (63%)
- Blue (20%)



- Cyan (0%)
- Magenta (27%)
- Yellow (68%)
- Black (37%)





- Cyan (37%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4560, 20.4352, 5.9455 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 21.4560, 20.4352, 5.9455 by changing the saturation by 10% instead.


 21.4560, 20.4352,
5.9455


 21.4560, 20.4352,
5.9455


252.3782,
254.2615, 167.8729


 13.5721, 12.7118,
2.7437


 45.3308, 44.1456,
18.2934

 7.9034, 7.2304,
0.9653


 62.0524, 60.9014,
28.2766

 4.0845, 3.6066,
0.0000

 82.4506, 81.4368,
41.3573

 1.7500, 1.4560,
0.0000

 106.8908,
106.1362, 57.9541

 0.4873, 0.2575,
0.0000

 135.7383,
135.3840, 78.4855

 0.0000, 0.0000,
0.0000

 169.3584,

169.5645, 103.3701

208.1166,
209.0622, 133.0264

■ 21.4560, 20.4352,
5.9455

■ 21.4560, 20.4352,
5.9455

■ 20.4515, 18.8970,
4.1598

■ 22.6324, 22.1232,
8.3878

■ 19.6035, 17.4983,
2.9605

■ 23.9916, 23.9643,
11.5451

■ 18.8878, 16.2287,
2.2232

■ 25.5448, 25.9654,
15.4703

■ 18.7613, 16.0020,
2.0999

■ 27.3019, 28.1317,
20.2112

■ 29.2720, 30.4685,
25.8115

■ 31.4637, 32.9803,
32.3119

■ 33.8850, 35.6718,
39.7504

■ 36.5434, 38.5473,
48.1629

■ 39.4461, 41.6109,
57.5832

Harmonies

Analogous

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



25.8802, 20.4352, 8.7971



21.4560, 20.4352, 5.9455



17.0791, 20.4352, 6.0994

Triad

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



21.4560, 20.4352, 5.9455



12.3473, 20.4352, 30.0135



26.3074, 20.4352, 43.5621

Complementary

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



21.4560, 20.4352, 5.9455



11.7128, 11.2467, 34.8109

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.



21.9722, 20.4352, 54.7926



21.4560, 20.4352, 5.9455



14.1406, 20.4352, 45.1536

Square

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



21.4560, 20.4352, 5.9455



12.2526, 20.4352, 17.0818



17.5227, 20.4352, 55.4660



28.9553, 20.4352, 28.3688

Rectangle

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



21.4560, 20.4352, 5.9455



14.7639, 20.4352, 7.8504



17.5227, 20.4352, 55.4660



24.9717, 20.4352, 48.1416

Sweetspot

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



21.4565, 20.4362, 5.9459



52.3063, 54.3353, 44.4260



17.7284, 10.6603, 11.8548



11.2620, 11.6692, 9.1437



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.4565, 20.4362, 5.9459



36.2606, 32.8950, 6.2415



25.5809, 31.7793, 7.9180



6.9503, 7.2807, 7.0247



14.6587, 12.5530, 1.6504



0.3025, 0.3052, 0.0430

Inverse Universe

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



11.7128, 11.2467, 34.8109



17.3864, 15.1723, 62.3987



9.5095, 5.9268, 33.9001



6.4887, 6.8431, 8.3855



6.3729, 4.8374, 26.5051



0.1539, 0.1664, 0.4872

Previews

White Background



This preview shows how the XYZ color 21.4560, 20.4352, 5.9455 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 21.4560, 20.4352, 5.9455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

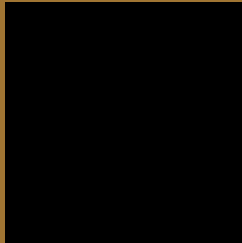
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4560, 20.4352, 5.9455

Background



This preview shows how black text looks on a background with the XYZ color 21.4560, 20.4352, 5.9455.



This preview shows how white text looks on a background with the XYZ color 21.4560, 20.4352,

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

21.4560, 20.4352, 5.9455

Protanopia

18.6237, 20.4132, 6.3267

Deuteranopia

20.8829, 20.4919, 5.8723



Tritanopia

24.3630, 20.4592, 19.8045

Trichromacy



Original Color

21.4560, 20.4352, 5.9455

Protanomaly

19.6120, 20.3700, 6.1470

Deuteranomaly

20.9588, 20.3553, 5.8419

Tritanomaly

23.0298, 20.4049, 13.3144

Monochromacy



Original Color

21.4560, 20.4352, 5.9455

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9811, 19.5117, 13.8321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4560, 20.4352, 5.9455 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(160, 117, 51)` looks like.

```
.text, #text, p{  
    color:rgb(160, 117, 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(160, 117, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 117, 51) }
```

Border

The CSS property to change the border of an element to XYZ 21.4560, 20.4352, 5.9455 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(160, 117, 51) }
```


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

```
.border{ border-color:rgb(160, 117, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 117, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 117, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 117, 51);  
box-shadow:4px 4px 4px 4px rgb(160, 117,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4560, 20.4352, 5.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 117, 51) }
```

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

```
.background{ background-color: rgb(160,  
117, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor