

Converting Colors

XYZ(21.8837, 21.0462, 6.3689)

Have a look what the booklet for
XYZ(21.8837, 21.0462, 6.3689)
contains.

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Color

**XYZ(21.7599, 20.9336,
6.3837)**

Conversions

Conversions Part 1

Format	Color
Hex	A07736
RGB	160, 119, 54
RGB Percent	63%, 47%, 21%
CMY	0.3726, 0.5333, 0.7882
CMYK	0.00, 0.26, 0.66, 0.37
HSL	37°, 50%, 42%
HSV	37°, 66%, 63%
XYZ	21.7599, 20.9336, 6.3837
YIQ	123.8490, 45.3010, -11.5230

Conversions

Conversions Part 2

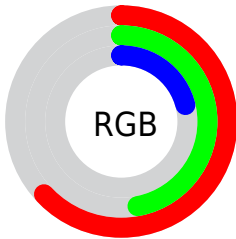
Format	Color
R_{YB}	121, 160, 54
Decimal	10516278
CIE _{Lab}	52.88, 8.99, 41.06
CIE _{LCh}	53, 42.030, 77.647
Yxy	20.9336, 0.4434, 0.4265
Android (android.graphics.Color)	4288706358 (0xFFA07736)
YUV	123.8490, -34.4356, 31.7044
Hunter-Lab	45.7533, 4.8251, 23.7549

Details

The XYZ color **21.7599, 20.9336, 6.3837** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.9584, 11.5062, 34.8482**, and the grayscale version is **19.2088, 20.2092, 22.0078**.

A 20% lighter version of the original color is **45.9245, 45.0105, 19.0994**, and **8.0954, 7.5163, 1.1103** is the 20% darker color. If you saturate the color by 10%, you get **20.7317, 19.3828, 4.4824**, and if you desaturate by 10%, it is **22.9607, 22.6318, 8.9528**.

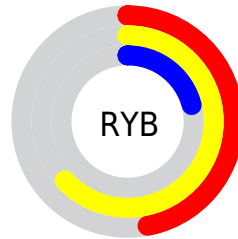
Distribution



Red (63%)

Green (47%)

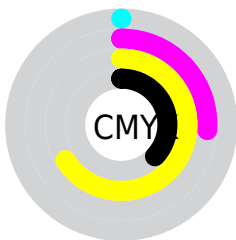
Blue (21%)



Red (47%)

Yellow (63%)

Blue (21%)

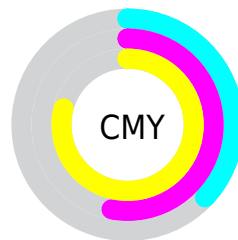


Cyan (0%)

Magenta (26%)

Yellow (66%)

Black (37%)



Cyan (37%)


Magenta (53%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7599, 20.9336, 6.3837 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 21.7599, 20.9336, 6.3837 by changing the saturation by 10% instead.


 21.7599, 20.9336,
6.3837


 21.7599, 20.9336,
6.3837


253.9458,
256.9254, 171.8715


 13.7962, 13.0755,
3.0072


 45.8307, 44.9770,
19.2135

 8.0598, 7.4805,
1.0983


 62.6684, 61.9311,
29.5039

 4.1854, 3.7644,
0.0000


 83.1949, 82.6859,
42.9360

 1.8075, 1.5427,
0.0000

 107.7755,
107.6259, 59.9284

 0.5222, 0.3185,
0.0000

 136.7755,
137.1354, 80.8997

 0.0000, 0.0000,
0.0000

 170.5604,

171.5990, 106.2682

209.4953,
211.4008, 136.4527

■ 21.7599, 20.9336,
6.3837

■ 21.7599, 20.9336,
6.3837

■ 20.7317, 19.3828,
4.4824

■ 22.9607, 22.6318,
8.9528

■ 19.8610, 17.9696,
3.1808

■ 24.3444, 24.4805,
12.2465

■ 19.1295, 16.6858,
2.3848

■ 25.9222, 26.4863,
16.3169

■ 18.8760, 16.2312,
2.1381

■ 27.7037, 28.6545,
21.2107

■ 29.6978, 30.9899,
26.9711

■ 31.9130, 33.4971,
33.6383

■ 34.3571, 36.1806,
41.2497

■ 37.0375, 39.0445,
49.8409

■ 39.9614, 42.0929,
59.4454

Harmonies

Analogous

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



26.1500, 20.9336, 9.1783



21.7599, 20.9336, 6.3837



17.4434, 20.9336, 6.6346

Triad

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



21.7599, 20.9336, 6.3837



12.8816, 20.9336, 30.9450



26.8178, 20.9336, 43.2940

Complementary

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



21.7599, 20.9336, 6.3837



11.9584, 11.5062, 34.8482

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.



22.5700, 20.9336, 54.5082



21.7599, 20.9336, 6.3837



14.7295, 20.9336, 45.7637

Square

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



21.7599, 20.9336, 6.3837



12.7310, 20.9336, 17.9978



18.1431, 20.9336, 55.5494



29.3457, 20.9336, 28.3726

Rectangle

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



21.7599, 20.9336, 6.3837



15.1688, 20.9336, 8.4992



18.1431, 20.9336, 55.5494



25.5174, 20.9336, 47.8269

Sweetspot

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



21.7604, 20.9346, 6.3841



52.3774, 54.4775, 44.4497



17.9462, 10.9640, 12.3337



11.2793, 11.7039, 9.1494



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.



21.7604, 20.9346, 6.3841



36.9337, 34.0669, 7.0031



25.7041, 31.8351, 8.2802



6.9545, 7.2891, 7.0261



14.7478, 12.7311, 1.6801



0.3038, 0.3078, 0.0434

Inverse Universe

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



11.9584, 11.5062, 34.8482



17.8972, 15.8246, 62.4977



9.8180, 6.2868, 33.9535



6.4846, 6.8349, 8.3842



6.3198, 4.7312, 26.4874



0.1526, 0.1638, 0.4868

Previews

White Background



This preview shows how the XYZ color 21.7599, 20.9336, 6.3837 looks on a white background.

Color Contrast Check

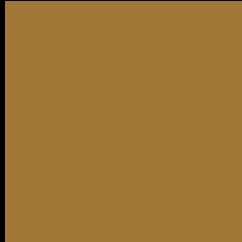
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7599, 20.9336, 6.3837 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 21.7599, 20.9336, 6.3837

Background



This preview shows how black text looks on a background with the XYZ color 21.7599, 20.9336, 6.3837.



This preview shows how white text looks on a background with the XYZ color 21.7599, 20.9336,

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

21.7599, 20.9336, 6.3837

Protanopia

19.2877, 21.1270, 6.8027

Deuteranopia

21.2870, 20.8674, 6.3959



Tritanopia

24.7014, 20.9437, 20.5099

Trichromacy



Original Color

21.7599, 20.9336, 6.3837

Protanomaly

20.1100, 20.9870, 6.6054

Deuteranomaly

21.4829, 20.9684, 6.4051

Tritanomaly

23.3463, 20.8925, 13.8685

Monochromacy



Original Color

21.7599, 20.9336, 6.3837

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5282, 20.1383, 14.6622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7599, 20.9336, 6.3837 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, 119, 54)` looks like.

```
.text, #text, p{  
    color:rgb(160, 119, 54)  
}
```

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, 119, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 119, 54) }
```

Border

The CSS property to change the border of an element to XYZ 21.7599, 20.9336, 6.3837 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, 119, 54) }
```


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

```
.border{ border-color:rgb(160, 119, 54) }
```

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

Here you see how a box with a 4 pixel rgb(160, 119, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 119, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 119, 54);  
box-shadow:4px 4px 4px 4px rgb(160, 119,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7599, 20.9336, 6.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 119, 54) }
```

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

```
.background{ background-color: rgb(160,  
119, 54) }
```

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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