

Converting Colors

XYZ(21.6020, 20.5292, 3.5625)

Have a look what the booklet for
XYZ(21.6020, 20.5292, 3.5625)
contains.

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Color

**XYZ(21.6104, 20.5670,
3.5899)**

Conversions

Conversions Part 1

Format	Color
Hex	A37516
RGB	163, 117, 22
RGB Percent	64%, 46%, 9%
CMY	0.3608, 0.5412, 0.9137
CMYK	0.00, 0.28, 0.87, 0.36
HSL	40°, 76%, 36%
HSV	40°, 87%, 64%
XYZ	21.6104, 20.5670, 3.5899
YIQ	119.9240, 57.9110, -19.7930

Conversions

Conversions Part 2

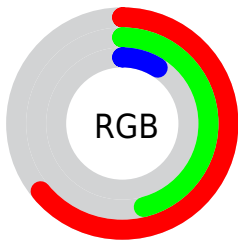
Format	Color
R _Y B	90, 163, 22
Decimal	10712342
CIE Lab	52.47, 10.03, 53.92
CIE LCh	52, 54.850, 79.460
Yxy	20.5670, 0.4722, 0.4494
Android (android.graphics.Color)	4288902422 (0xFFA37516)
YUV	119.9240, -48.2765, 37.7777
Hunter-Lab	45.3509, 5.6941, 27.0523

Details

The XYZ color **21.6104, 20.5670, 3.5899** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0089, 6.9492, 35.5167**, and the grayscale version is **17.9654, 18.9010, 20.5832**.

A 20% lighter version of the original color is **45.6167, 44.4273, 13.0086**, and **8.1915, 7.3820, 0.9931** is the 20% darker color. If you saturate the color by 10%, you get **20.8951, 19.3184, 2.7913**, and if you desaturate by 10%, it is **22.4581, 21.9266, 4.9082**.

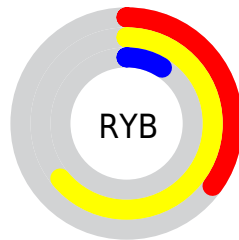
Distribution



Red (64%)

Green (46%)

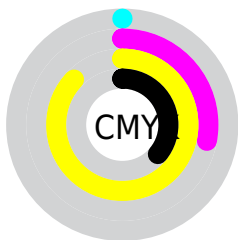
Blue (9%)



Red (35%)

Yellow (64%)

Blue (9%)

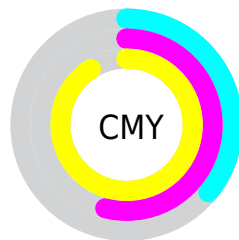


Cyan (0%)

Magenta (28%)

Yellow (87%)

Black (36%)



Cyan (36%)

Magenta (54%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6104, 20.5670, 3.5899 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 21.6104, 20.5670, 3.5899 by changing the saturation by 10% instead.

21.6104, 20.5670,
3.5899

21.6104, 20.5670,
3.5899

253.1757,
254.9683, 143.5518

13.6859, 12.8079,
1.4032

45.5849, 44.3658,
13.0523

7.9828, 7.2964,
0.1442

62.3656, 61.1742,
21.1651

4.1356, 3.6481,
0.0000

82.8291, 81.7679,
32.0903

1.7792, 1.4787,
0.0000

107.3407,
106.5311, 46.2465

0.5051, 0.2737,
0.0000

136.2658,
135.8484, 64.0522

0.0000, 0.0000,
0.0000

169.9698,

170.1041, 85.9260

208.8179,
209.6826, 112.2863

21.6104, 20.5670,
3.5899

21.6104, 20.5670,
3.5899

20.8951, 19.3184,
2.7913

22.4581, 21.9266,
4.9082

20.6614, 18.9009,
2.5593

23.4565, 23.4029,
6.8458

24.6200, 25.0033,
9.4737

25.9607, 26.7336,
12.8525

27.4892, 28.5988,
17.0364

■ 29.2155, 30.6038,
22.0744

■ 31.1485, 32.7529,
28.0117

■ 33.2967, 35.0503,
34.8901

■ 35.6679, 37.5000,
42.7490

Harmonies

Analogous

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



27.5224, 20.5670, 6.0629



21.6104, 20.5670, 3.5899



16.1375, 20.5670, 3.9736

Triad

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



21.6104, 20.5670, 3.5899



10.9676, 20.5670, 34.4855



29.0558, 20.5670, 49.4250

Complementary

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



21.6104, 20.5670, 3.5899



9.0089, 6.9492, 35.5167

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.



23.4088, 20.5670, 66.5990



21.6104, 20.5670, 3.5899



13.2856, 20.5670, 55.4758

Square

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



21.6104, 20.5670, 3.5899



10.6719, 20.5670, 17.1561



17.6218, 20.5670, 69.2315



32.3401, 20.5670, 28.6023

Rectangle

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



21.6104, 20.5670, 3.5899



13.4076, 20.5670, 5.9061



17.6218, 20.5670, 69.2315



27.3253, 20.5670, 56.1706

Sweetspot

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



21.6109, 20.5680, 3.5903



52.3288, 54.8160, 39.5514



16.4655, 8.7902, 6.4595



11.5155, 12.0400, 8.1778



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.



21.6109, 20.5680, 3.5903



36.8139, 33.4718, 4.5204



23.9733, 31.7844, 5.6308



7.4537, 7.8459, 7.5016



16.1003, 14.7746, 2.0032



0.3785, 0.3908, 0.0555

Inverse Universe

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



9.0089, 6.9492, 35.5167



13.9704, 8.9975, 63.0565



8.0023, 3.7877, 34.9596



6.8804, 7.2198, 8.9340



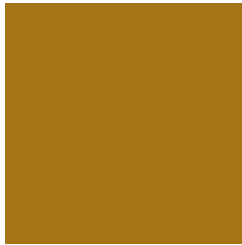
6.1711, 4.1216, 27.4001



0.1712, 0.1696, 0.5896

Previews

White Background



This preview shows how the XYZ color 21.6104, 20.5670, 3.5899 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 21.6104, 20.5670, 3.5899 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 21.6104, 20.5670, 3.5899

Background



This preview shows how black text looks on a background with the XYZ color 21.6104, 20.5670, 3.5899.



This preview shows how white text looks on a background with the XYZ color 21.6104, 20.5670,

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

21.6104, 20.5670, 3.5899

Protanopia

18.6102, 20.6504, 3.8692

Deuteranopia

20.8327, 20.5169, 3.5716



Tritanopia

24.8280, 20.5465, 19.4869

Trichromacy



Original Color

21.6104, 20.5670, 3.5899

Protanomaly

19.6320, 20.6173, 3.7554

Deuteranomaly

21.1110, 20.4846, 3.5507

Tritanomaly

23.0430, 20.3045, 10.6873

Monochromacy



Original Color

21.6104, 20.5670, 3.5899

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3504, 19.0680, 11.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6104, 20.5670, 3.5899 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, 117, 22)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 22)  
}
```

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, 117, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 22) }
```

Border

The CSS property to change the border of an element to XYZ 21.6104, 20.5670, 3.5899 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, 117, 22) }
```


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

```
.border{ border-color:rgb(163, 117, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 117, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 117, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 117, 22);  
box-shadow:4px 4px 4px 4px rgb(163, 117,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6104, 20.5670, 3.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 22) }
```

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

```
.background{ background-color: rgb(163,  
117, 22) }
```

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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