

Converting Colors

XYZ(23.4805, 21.0804, 3.3758)

Have a look what the booklet for
XYZ(23.4805, 21.0804, 3.3758)
contains.

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Color

**XYZ(23.3521, 20.9593,
3.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7211
RGB	173, 114, 17
RGB Percent	68%, 45%, 7%
CMY	0.3216, 0.5529, 0.9333
CMYK	0.00, 0.34, 0.90, 0.32
HSL	37°, 82%, 37%
HSV	37°, 90%, 68%
XYZ	23.3521, 20.9593, 3.3451
YIQ	120.5830, 66.3010, -17.6590

Conversions

Conversions Part 2

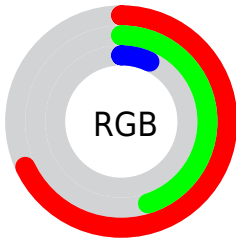
Format	Color
R_{YB}	112, 173, 17
Decimal	11366929
CIE Lab	52.90, 16.16, 56.16
CIE LCh	53, 58.440, 73.952
Yxy	20.9593, 0.4900, 0.4398
Android (android.graphics.Color)	4289557009 (0xFFAD7211)
YUV	120.5830, -51.0664, 45.9697
Hunter-Lab	45.7813, 10.9318, 27.7148

Details

The XYZ color **23.3521, 20.9593, 3.3451** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.3585, 8.3053, 40.5921**, and the grayscale version is **18.1845, 19.1315, 20.8342**.

A 20% lighter version of the original color is **48.4431, 45.0771, 12.4509**, and **9.0184, 7.5413, 0.9803** is the 20% darker color. If you saturate the color by 10%, you get **22.5512, 19.5195, 2.5791**, and if you desaturate by 10%, it is **24.3092, 22.5664, 4.6111**.

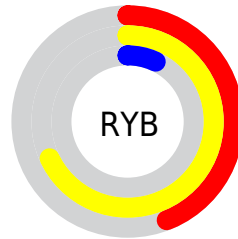
Distribution



Red (68%)

Green (45%)

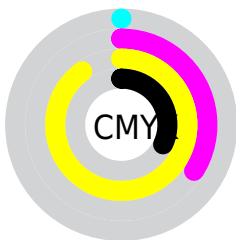
Blue (7%)



Red (44%)

Yellow (68%)

Blue (7%)

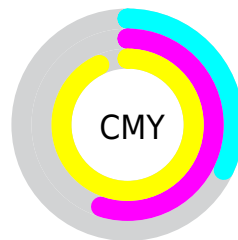


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (32%)



Cyan (32%)

Magenta (55%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3521, 20.9593, 3.3451 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 23.3521, 20.9593, 3.3451 by changing the saturation by 10% instead.

■ 23.3521, 20.9593,
3.3451

■ 23.3521, 20.9593,
3.3451

262.0300,
257.0621, 140.6414

■ 14.9758, 13.0943,
1.2734

■ 48.4332, 45.0198,
12.4687

■ 8.8886, 7.4935,
0.0399

■ 65.8688, 61.9840,
20.3578

■ 4.7251, 3.7726,
0.0000

■ 87.0549, 82.7501,
31.0231

■ 2.1200, 1.5472,
0.0000

■ 112.3568,
107.7024, 44.8831

■ 0.7001, 0.3216,
0.0000

■ 142.1399,
137.2254, 62.3564

■ 0.0000, 0.0000,
0.0000

■ 176.7696,

171.7034, 83.8615

216.6112,
211.5209, 109.8170

23.3521, 20.9593,
3.3451

23.3521, 20.9593,
3.3451

22.5512, 19.5195,
2.5791

24.3092, 22.5664,
4.6111

25.4455, 24.3306,
6.5576

26.7791, 26.2615,
9.2724

28.3252, 28.3668,
12.8300

30.0970, 30.6534,
17.2958

■ 32.1067, 33.1277,
22.7288

■ 34.3653, 35.7956,
29.1828

■ 36.8832, 38.6627,
36.7078

■ 39.6700, 41.7343,
45.3505

Harmonies

Analogous

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



29.6429, 20.9593, 6.5190



23.3521, 20.9593, 3.3451



17.2184, 20.9593, 3.2572

Triad

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



23.3521, 20.9593, 3.3451



10.5493, 20.9593, 31.9420



29.2481, 20.9593, 56.6667

Complementary

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



23.3521, 20.9593, 3.3451



10.3585, 8.3053, 40.5921

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.



22.8930, 20.9593, 73.5921



23.3521, 20.9593, 3.3451



12.5979, 20.9593, 55.0836

Square

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



23.3521, 20.9593, 3.3451



10.6224, 20.9593, 14.7196



16.8439, 20.9593, 72.8980



33.4939, 20.9593, 33.4549

Rectangle

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



23.3521, 20.9593, 3.3451



14.0490, 20.9593, 4.7337



16.8439, 20.9593, 72.8980



27.2368, 20.9593, 63.7070

Sweetspot

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



23.3526, 20.9604, 3.3455



58.5487, 60.5853, 43.6413



18.7667, 9.8183, 7.8908



12.4485, 12.8359, 8.7130



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.3526, 20.9604, 3.3455



40.1748, 34.5318, 4.5479



28.5240, 36.8763, 6.1450



8.4043, 8.8135, 8.4716



16.6236, 14.4527, 1.9135



0.5129, 0.5030, 0.0701

Inverse Universe

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



10.3585, 8.3053, 40.5921



16.7468, 11.8793, 72.2161



8.4434, 3.7791, 39.8194



7.8178, 8.2351, 10.1302



6.9994, 5.1327, 29.6663



0.2484, 0.2501, 0.8432

Previews

White Background



This preview shows how the XYZ color 23.3521, 20.9593, 3.3451 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 23.3521, 20.9593, 3.3451 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 23.3521, 20.9593, 3.3451

Background



This preview shows how black text looks on a background with the XYZ color 23.3521, 20.9593, 3.3451.



This preview shows how white text looks on a background with the XYZ color 23.3521, 20.9593,

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

23.3521, 20.9593, 3.3451

Protanopia

19.0524, 21.0725, 3.7727

Deuteranopia

21.2685, 20.9284, 3.2058



Tritanopia

26.5514, 20.9880, 18.5713

Trichromacy



Original Color

23.3521, 20.9593, 3.3451

Protanomaly

20.4122, 20.8396, 3.6084

Deuteranomaly

22.0681, 20.9853, 3.2682

Tritanomaly

24.7844, 20.7319, 10.0925

Monochromacy



Original Color

23.3521, 20.9593, 3.3451

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.8550, 19.1568, 10.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3521, 20.9593, 3.3451 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(173, 114, 17)` looks like.

```
.text, #text, p{  
    color:rgb(173, 114, 17)  
}
```

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(173, 114, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 114, 17) }
```

Border

The CSS property to change the border of an element to XYZ 23.3521, 20.9593, 3.3451 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(173, 114, 17) }
```


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

```
.border{ border-color:rgb(173, 114, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 114, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 114, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 114, 17);  
box-shadow:4px 4px 4px 4px rgb(173, 114,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3521, 20.9593, 3.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 114, 17) }
```

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

```
.background{ background-color: rgb(173,  
114, 17) }
```

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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