

Converting Colors

XYZ(23.9688, 22.5187, 4.6815)

Have a look what the booklet for
XYZ(23.9688, 22.5187, 4.6815)
contains.

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Color

**XYZ(23.9353, 22.4540,
4.6626)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7923
RGB	171, 121, 35
RGB Percent	67%, 47%, 14%
CMY	0.3294, 0.5255, 0.8627
CMYK	0.00, 0.29, 0.80, 0.33
HSL	38°, 66%, 40%
HSV	38°, 80%, 67%
XYZ	23.9353, 22.4540, 4.6626
YIQ	126.1460, 57.4060, -16.1460

Conversions

Conversions Part 2

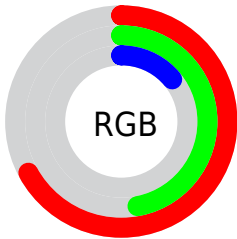
Format	Color
R_{YB}	114, 171, 35
Decimal	11237667
CIE _{Lab}	54.51, 11.84, 51.59
CIE _{LCh}	55, 52.932, 77.072
Yxy	22.4540, 0.4688, 0.4398
Android (android.graphics.Color)	4289427747 (0xFFAB7923)
YUV	126.1460, -44.9350, 39.3370
Hunter-Lab	47.3857, 7.2385, 27.3360

Details

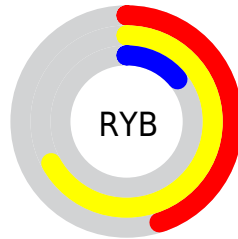
The XYZ color **23.9353, 22.4540, 4.6626** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.2921, 9.7942, 39.8230**, and the grayscale version is **20.0160, 21.0584, 22.9326**.

A 20% lighter version of the original color is **49.2970, 47.3983, 15.5674**, and **9.3220, 8.3425, 1.1189** is the 20% darker color. If you saturate the color by 10%, you get **23.0015, 20.8986, 3.3896**, and if you desaturate by 10%, it is **25.0436, 24.1607, 6.6045**.

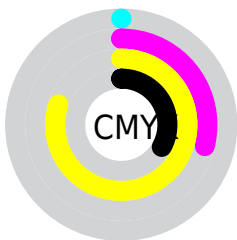
Distribution



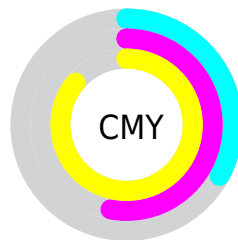
- Red (67%)
- Green (47%)
- Blue (14%)



- Red (45%)
- Yellow (67%)
- Blue (14%)



- Cyan (0%)
- Magenta (29%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9353, 22.4540, 4.6626 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 23.9353, 22.4540, 4.6626 by changing the saturation by 10% instead.

■ 23.9353, 22.4540,
4.6626

■ 23.9353, 22.4540,
4.6626

264.9398,
264.9081, 155.3277

■ 15.4101, 14.1909,
1.9954

■ 49.3800, 47.4952,
15.5112

■ 9.1959, 8.2535,
0.5525

■ 67.0303, 65.0421,
24.5297

■ 4.9273, 4.2576,
0.0000

■ 88.4530, 86.4524,
36.5024

■ 2.2390, 1.8187,
0.0000

■ 114.0134,
112.1104, 51.8478

■ 0.7632, 0.4988,
0.0000

■ 144.0769,
142.4006, 70.9845

■ 0.0000, 0.0000,
0.0000

■ 179.0089,

177.7073, 94.3311

219.1748,
218.4150, 122.3060

■ 23.9353, 22.4540,
4.6626

■ 23.9353, 22.4540,
4.6626

■ 23.0015, 20.8986,
3.3896

■ 25.0436, 24.1607,
6.6045

■ 22.2071, 19.4762,
2.6119

■ 26.3417, 26.0236,
9.2979

■ 22.1715, 19.4120,
2.5783

■ 27.8445, 28.0509,
12.8149

■ 29.5648, 30.2492,
17.2185

■ 31.5143, 32.6244,
22.5657

■ 33.7035, 35.1821,
28.9085

■ 36.1425, 37.9276,
36.2952

■ 38.8404, 40.8660,
44.7709

■ 41.8062, 44.0019,
54.3781

Harmonies

Analogous

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



29.8736, 22.4540, 7.7273



23.9353, 22.4540, 4.6626



18.2327, 22.4540, 4.8634

Triad

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



23.9353, 22.4540, 4.6626



12.3581, 22.4540, 35.0738



30.5926, 22.4540, 53.2890

Complementary

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



23.9353, 22.4540, 4.6626



11.2921, 9.7942, 39.8230

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.



24.7858, 22.4540, 69.4497



23.9353, 22.4540, 4.6626



14.6121, 22.4540, 56.0811

Square

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



23.9353, 22.4540, 4.6626



12.2137, 22.4540, 17.9767



18.9429, 22.4540, 70.6553



34.1602, 22.4540, 32.3127

Rectangle

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



23.9353, 22.4540, 4.6626



15.3007, 22.4540, 6.7943



18.9429, 22.4540, 70.6553



28.7946, 22.4540, 59.8090

Sweetspot

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



23.9358, 22.4551, 4.6630



58.3883, 60.7267, 45.9865



19.1214, 10.5504, 10.0743



12.7232, 13.1922, 9.3999



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.



23.9358, 22.4551, 4.6630



40.1690, 35.5898, 5.0718



28.4093, 36.2287, 7.0858



8.4114, 8.8276, 8.4739



16.7657, 14.7369, 1.9609



0.5162, 0.5096, 0.0712

Inverse Universe

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



11.2921, 9.7942, 39.8230



16.8407, 12.4111, 70.5099



9.3104, 4.8429, 38.9718



7.8110, 8.2214, 10.1279



6.9222, 4.9782, 29.6406



0.2457, 0.2448, 0.8423

Previews

White Background



This preview shows how the XYZ color 23.9353, 22.4540, 4.6626 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 23.9353, 22.4540, 4.6626 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 23.9353, 22.4540, 4.6626

Background



This preview shows how black text looks on a background with the XYZ color 23.9353, 22.4540, 4.6626.



This preview shows how white text looks on a background with the XYZ color 23.9353, 22.4540,

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

23.9353, 22.4540, 4.6626

Protanopia

20.4988, 22.5756, 5.1108

Deuteranopia

22.8062, 22.4233, 4.6395



Tritanopia

27.2608, 22.4208, 20.9800

Trichromacy



Original Color

23.9353, 22.4540, 4.6626

Protanomaly

21.6336, 22.3802, 4.9299

Deuteranomaly

23.3080, 22.4969, 4.6272

Tritanomaly

25.5464, 22.2276, 12.6168

Monochromacy



Original Color

23.9353, 22.4540, 4.6626

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3388, 20.9564, 13.3289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9353, 22.4540, 4.6626 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(171, 121, 35)` looks like.

```
.text, #text, p{  
    color:rgb(171, 121, 35)  
}
```

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(171, 121, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 121, 35) }
```

Border

The CSS property to change the border of an element to XYZ 23.9353, 22.4540, 4.6626 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(171, 121, 35) }
```


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

```
.border{ border-color:rgb(171, 121, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 121, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 121, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 121, 35);  
box-shadow:4px 4px 4px 4px rgb(171, 121,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9353, 22.4540, 4.6626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 121, 35) }
```

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

```
.background{ background-color: rgb(171,  
121, 35) }
```

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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