

Converting Colors

XYZ(23.5211, 23.9221, 6.7898)

Have a look what the booklet for
XYZ(23.5211, 23.9221, 6.7898)
contains.

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Color

**XYZ(23.5255, 23.9037,
6.7421)**

Conversions

Conversions Part 1

Format	Color
Hex	A28235
RGB	162, 130, 53
RGB Percent	64%, 51%, 21%
CMY	0.3647, 0.4902, 0.7921
CMYK	0.00, 0.20, 0.67, 0.36
HSL	42°, 51%, 42%
HSV	42°, 67%, 64%
XYZ	23.5255, 23.9037, 6.7421
YIQ	130.7900, 43.7890, -17.1630

Conversions

Conversions Part 2

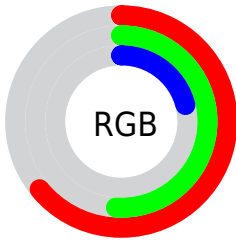
Format	Color
RYB	98, 162, 53
Decimal	10650165
CIELab	55.99, 3.63, 45.00
CIELCh	56, 45.145, 85.393
Yxy	23.9037, 0.4343, 0.4413
Android (android.graphics.Color)	4288840245 (0xFFA28235)
YUV	130.7900, -38.3505, 27.3712
Hunter-Lab	48.8914, 0.3304, 26.0479

Details

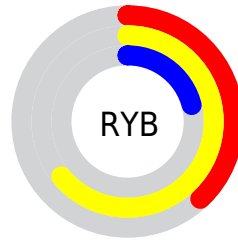
The XYZ color **23.5255, 23.9037, 6.7421** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.2381, 9.8621, 35.4934**, and the grayscale version is **21.6205, 22.7465, 24.7709**.

A 20% lighter version of the original color is **48.8969, 50.0619, 19.9177**, and **9.0058, 9.0107, 1.2646** is the 20% darker color. If you saturate the color by 10%, you get **22.5962, 22.5441, 4.8945**, and if you desaturate by 10%, it is **24.6111, 25.3745, 9.2638**.

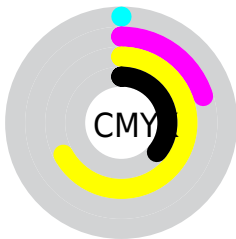
Distribution



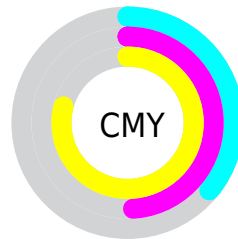
- Red (64%)
- Green (51%)
- Blue (21%)



- Red (38%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (36%)



- Cyan (36%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5255, 23.9037, 6.7421 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 23.5255, 23.9037, 6.7421 by changing the saturation by 10% instead.

■ 23.5255, 23.9037,
6.7421

■ 23.5255, 23.9037,
6.7421

262.8979,
272.3333, 175.0520

■ 15.1048, 15.2622,
3.2253

■ 48.7151, 49.8730,
19.9564

■ 8.9798, 9.0036,
1.2108

■ 66.2148, 67.9696,
30.4911

■ 4.7850, 4.7435,
0.0000

■ 87.4714, 89.9867,
44.2021

■ 2.1551, 2.0976,
0.0000

■ 112.8505,
116.3087, 61.5081

■ 0.7189, 0.6633,
0.0000

■ 142.7174,
147.3199, 82.8275

■ 0.0000, 0.0000,
0.0000

■ 177.4373,

183.4048, 108.5790

217.3757,
224.9478, 139.1810

■ 23.5255, 23.9037,
6.7421

■ 23.5255, 23.9037,
6.7421

■ 22.5962, 22.5441,
4.8945

■ 24.6111, 25.3745,
9.2638

■ 21.8079, 21.2861,
3.6495

■ 25.8633, 26.9584,
12.5187

■ 21.1396, 20.1216,
2.8961

■ 27.2930, 28.6613,
16.5608

■ 20.9680, 19.8169,
2.7199

■ 28.9099, 30.4877,
21.4389

■ 30.7229, 32.4416,
27.1975

■ 32.7400, 34.5269,
33.8782

■ 34.9691, 36.7473,
41.5198

■ 37.4173, 39.1062,
50.1589

■ 40.0916, 41.6070,
59.8300

Harmonies

Analogous

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



28.8296, 23.9037, 8.9519



23.5255, 23.9037, 6.7421



18.7272, 23.9037, 7.8782

Triad

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



23.5255, 23.9037, 6.7421



14.8875, 23.9037, 40.2035



31.8977, 23.9037, 45.7170

Complementary

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



23.5255, 23.9037, 6.7421



11.2381, 9.8621, 35.4934

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.



27.2429, 23.9037, 61.0349



23.5255, 23.9037, 6.7421



17.5405, 23.9037, 57.0968

Square

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



23.5255, 23.9037, 6.7421



14.1998, 23.9037, 23.8122



21.9326, 23.9037, 65.8367



34.1064, 23.9037, 28.3752

Rectangle

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



23.5255, 23.9037, 6.7421



16.3660, 23.9037, 10.7443



21.9326, 23.9037, 65.8367



30.5359, 23.9037, 51.4970

Sweetspot

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



23.5261, 23.9049, 6.7426



54.7172, 57.7720, 45.9610



17.8411, 10.8948, 9.9037



12.0901, 12.7612, 9.6886



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.



23.5261, 23.9049, 6.7426



40.2393, 39.7039, 7.5694



24.4118, 31.6903, 8.1986



7.4730, 7.8844, 7.5081



16.5577, 15.6894, 2.1557



0.3857, 0.4051, 0.0579

Inverse Universe

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



11.2381, 9.8621, 35.4934



16.4245, 12.5944, 63.6214



10.6809, 6.6429, 34.9014



6.8620, 7.1831, 8.9279



5.9896, 3.7587, 27.3396



0.1648, 0.1569, 0.5875

Previews

White Background



This preview shows how the XYZ color 23.5255, 23.9037, 6.7421 looks on a white background.

Color Contrast Check

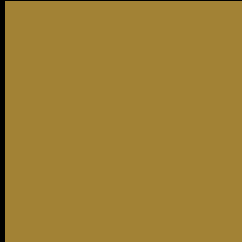
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5255, 23.9037, 6.7421 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 23.5255, 23.9037, 6.7421

Background



This preview shows how black text looks on a background with the XYZ color 23.5255, 23.9037, 6.7421.



This preview shows how white text looks on a background with the XYZ color 23.5255, 23.9037,

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

23.5255, 23.9037, 6.7421

Protanopia

21.9075, 24.0783, 6.9830

Deuteranopia

24.3214, 23.9202, 6.8252



Tritanopia

27.2047, 23.8826, 24.6487

Trichromacy



Original Color

23.5255, 23.9037, 6.7421

Protanomaly

22.3798, 23.9114, 6.9259

Deuteranomaly

24.0332, 23.9662, 6.8493

Tritanomaly

25.5077, 23.7535, 16.0724

Monochromacy



Original Color

23.5255, 23.9037, 6.7421

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7198, 22.9627, 16.1194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5255, 23.9037, 6.7421 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(162, 130, 53)` looks like.

```
.text, #text, p{  
    color:rgb(162, 130, 53)  
}
```

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(162, 130, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 130, 53) }
```

Border

The CSS property to change the border of an element to XYZ 23.5255, 23.9037, 6.7421 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(162, 130, 53) }
```


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

```
.border{ border-color:rgb(162, 130, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 130, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 130, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 130, 53);  
box-shadow:4px 4px 4px 4px rgb(162, 130,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5255, 23.9037, 6.7421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 130, 53) }
```

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

```
.background{ background-color: rgb(162,  
130, 53) }
```

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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