

Converting Colors

XYZ(23.9229, 24.2111, 45.7955)

Have a look what the booklet for
XYZ(23.9229, 24.2111, 45.7955)
contains.

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Color

**XYZ(24.0031, 24.2956,
46.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	7487B3
RGB	116, 135, 179
RGB Percent	45%, 53%, 70%
CMY	0.5451, 0.4706, 0.2980
CMYK	0.35, 0.25, 0.00, 0.30
HSL	222°, 29%, 58%
HSV	222°, 35%, 70%
XYZ	24.0031, 24.2956, 46.0722
YIQ	134.3350, -25.4480, 9.6560

Conversions

Conversions Part 2

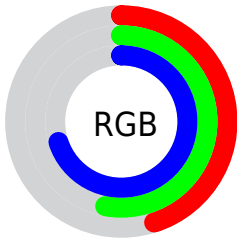
Format	Color
R_{YB}	116, 131, 179
Decimal	7636915
CIE _{Lab}	56.38, 4.05, -25.35
CIE _{LCh}	56, 25.673, 279.075
Yxy	24.2956, 0.2543, 0.2574
Android (android.graphics.Color)	4285826995 (0xFF7487B3)
YUV	134.3350, 22.0198, -16.0798
Hunter-Lab	49.2906, 0.6659, -20.9153

Details

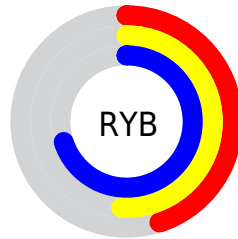
The XYZ color **24.0031, 24.2956, 46.0722** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.3141, 35.9868, 21.6615**, and the grayscale version is **22.7120, 23.8948, 26.0215**.

A 20% lighter version of the original color is **49.5562, 50.5106, 85.7349**, and **9.2737, 9.2858, 21.0422** is the 20% darker color. If you saturate the color by 10%, you get **20.2061, 19.8995, 45.4242**, and if you desaturate by 10%, it is **28.4651, 29.3396, 46.8110**.

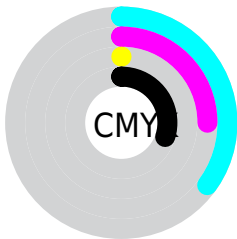
Distribution



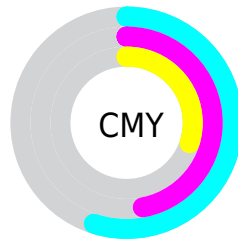
- Red (45%)
- Green (53%)
- Blue (70%)



- Red (45%)
- Yellow (51%)
- Blue (70%)



- Cyan (35%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)



- Cyan (55%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0031, 24.2956, 46.0722 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 24.0031, 24.2956, 46.0722 by changing the saturation by 10% instead.

■ 24.0031, 24.2956,
46.0722

■ 24.0031, 24.2956,
46.0722

265.2763,
274.3115, 387.3849

■ 15.4607, 15.5530,
31.9537

■ 49.4899, 50.5121,
85.6625

■ 9.2317, 9.2084,
21.0616

■ 67.1650, 68.7549,
111.9713

■ 4.9510, 4.8774,
12.9774

■ 88.6150, 90.9332,
143.1807

■ 2.2530, 2.1755,
7.2824

114.2053,
117.4315, 179.7092

■ 0.7704, 0.7066,
3.5582

144.3012,
148.6340, 221.9753

■ 0.0000, 0.0000,
1.3863

179.2681,

■ 0.0000, 0.0000,

184.9253, 270.3976

0.1310

219.4714,
226.6897, 325.3946

■ 0.0000, 0.0000,
0.0000

■ 24.0031, 24.2956,
46.0722

■ 24.0031, 24.2956,
46.0722

■ 20.2061, 19.8995,
45.4242

■ 28.4651, 29.3396,
46.8110

■ 17.0380, 16.1207,
44.8618

■ 33.6206, 35.0547,
47.6424

■ 14.4632, 12.9303,
44.3817

■ 39.4994, 41.4662,
48.5701

■ 12.4410, 10.2955,
43.9797

■ 46.1289, 48.5973,
49.5972

■ 10.9252, 8.1799,
43.6513

■ 53.5350, 56.4702,
50.7264

■ 9.8599, 6.5412,
43.3911

■ 61.7421, 65.1058,
51.9607

■ 9.4552, 5.8917,
43.2871

■ 70.7739, 74.5246,
53.3027

■ 79.0894, 83.9399,
54.6818

■ 82.7957, 91.3526,
55.9172

Harmonies

Analogous

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



21.1156, 24.2956, 44.8209



24.0031, 24.2956, 46.0722



26.8751, 24.2956, 41.2599

Triad

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



24.0031, 24.2956, 46.0722



27.8064, 24.2956, 17.4396



18.1664, 24.2956, 21.0409

Complementary

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



24.0031, 24.2956, 46.0722



34.3141, 35.9868, 21.6615

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.



19.6821, 24.2956, 15.6959



24.0031, 24.2956, 46.0722



25.1886, 24.2956, 13.9470

Square

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



24.0031, 24.2956, 46.0722



29.1913, 24.2956, 23.9614



22.2047, 24.2956, 13.3853



17.9080, 24.2956, 29.1133

Rectangle

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



24.0031, 24.2956, 46.0722



28.3357, 24.2956, 35.7622



22.2047, 24.2956, 13.3853



18.5391, 24.2956, 18.9194

Sweetspot

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



24.0039, 24.2965, 46.0728



64.2751, 67.2320, 85.9706



29.5855, 38.4587, 38.6882



13.9351, 14.5617, 18.9985



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.0039, 24.2965, 46.0728



37.7706, 37.4905, 81.6268



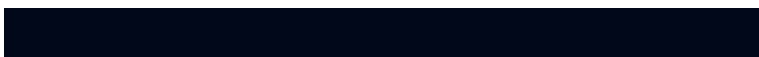
23.2174, 20.3007, 45.3429



8.2440, 8.6342, 10.7384



6.7324, 4.2651, 30.6054



0.2644, 0.2393, 0.9805

Inverse Universe

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



29.2096, 23.8246, 25.9817



48.6009, 37.0573, 39.7049



35.3046, 41.7662, 22.7248



8.5984, 8.5461, 9.3834



13.6328, 6.9707, 3.2266



0.4555, 0.2299, 0.2412

Previews

White Background



This preview shows how the XYZ color 24.0031, 24.2956, 46.0722 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 24.0031, 24.2956, 46.0722 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

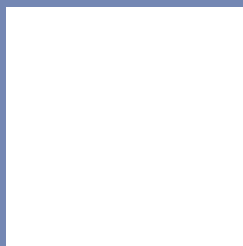
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0031, 24.2956, 46.0722

Background



This preview shows how black text looks on a background with the XYZ color 24.0031, 24.2956, 46.0722.



This preview shows how white text looks on a background with the XYZ color 24.0031, 24.2956,

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

24.0031, 24.2956, 46.0722

Protanopia

24.5918, 24.2004, 45.4945

Deuteranopia

24.8364, 24.3148, 46.0320



Tritanopia

21.3944, 24.3055, 32.8420

Trichromacy



Original Color

24.0031, 24.2956, 46.0722

Protanomaly

24.3067, 24.2576, 45.5206

Deuteranomaly

24.5469, 24.3698, 46.0579

Tritanomaly

22.2036, 24.1949, 37.2180

Monochromacy



Original Color

24.0031, 24.2956, 46.0722

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7825, 23.7642, 32.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0031, 24.2956, 46.0722 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(116, 135, 179)` looks like.

```
.text, #text, p{  
    color:rgb(116, 135, 179)  
}
```

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(116, 135, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.0031, 24.2956, 46.0722 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(116, 135, 179) }
```


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

```
.border{ border-color:rgb(116, 135, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 135, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 135, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 135, 179);  
box-shadow:4px 4px 4px 4px rgb(116, 135,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0031, 24.2956, 46.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 135, 179) }
```

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

```
.background{ background-color: rgb(116,  
135, 179) }
```

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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