

Converting Colors

XYZ(24.3949, 23.2348, 59.7896)

Have a look what the booklet for
XYZ(24.3949, 23.2348, 59.7896)
contains.

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Color

**XYZ(24.3556, 23.1606,
59.6867)**

Conversions

Conversions Part 1

Format	Color
Hex	6782CB
RGB	103, 130, 203
RGB Percent	40%, 51%, 80%
CMY	0.5961, 0.4902, 0.2039
CMYK	0.49, 0.36, 0.00, 0.20
HSL	224°, 49%, 60%
HSV	224°, 49%, 80%
XYZ	24.3556, 23.1606, 59.6867
YIQ	130.2490, -39.5250, 16.9790

Conversions

Conversions Part 2

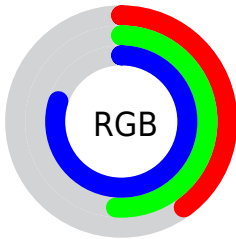
Format	Color
RYB	103, 124, 203
Decimal	6783691
CIELab	55.24, 10.53, -40.86
CIELCh	55, 42.193, 284.445
Yxy	23.1606, 0.2272, 0.2160
Android (android.graphics.Color)	4284973771 (0xFF6782CB)
YUV	130.2490, 35.8662, -23.8974
Hunter-Lab	48.1255, 6.1167, -39.8455

Details

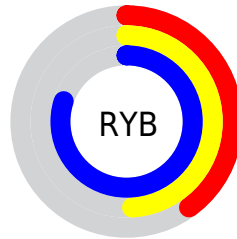
The XYZ color **24.3556, 23.1606, 59.6867** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.6031, 44.7278, 19.2210**, and the grayscale version is **21.1939, 22.2977, 24.2822**.

A 20% lighter version of the original color is **49.2816, 48.4579, 101.3636**, and **9.3699, 8.5809, 29.1794** is the 20% darker color. If you saturate the color by 10%, you get **20.4724, 18.4406, 58.9808**, and if you desaturate by 10%, it is **29.0897, 28.7415, 60.5149**.

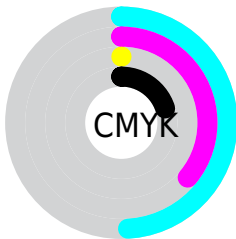
Distribution



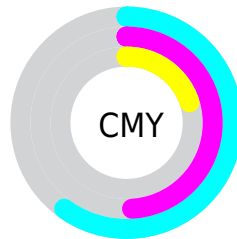
- Red (40%)
- Green (51%)
- Blue (80%)



- Red (40%)
- Yellow (49%)
- Blue (80%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3556, 23.1606, 59.6867 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 24.3556, 23.1606, 59.6867 by changing the saturation by 10% instead.

■ 24.3556, 23.1606,
59.6867

■ 24.3556, 23.1606,
59.6867

267.0206,
268.5488, 441.2145

■ 15.7238, 14.7121,
42.7425

■ 50.0603, 48.6569,
105.9140

■ 9.4185, 8.6176,
29.3532

■ 67.8639, 66.4735,
136.0341

■ 5.0744, 4.4926,
19.1003

■ 89.4555, 88.1817,
171.3834

■ 2.3262, 1.9528,
11.5652

■ 115.2005,
114.1657, 212.3802

■ 0.8080, 0.5798,
6.3295

145.4641,
144.8100, 259.4432

■ 0.0000, 0.0000,
2.9744

180.6117,

■ 0.0000, 0.0000,

180.4991, 312.9909

1.0816

221.0088,
221.6172, 373.4418

■ 0.0000, 0.0000,
0.0000

■ 24.3556, 23.1606,
59.6867

■ 24.3556, 23.1606,
59.6867

■ 20.4724, 18.4406,
58.9808

■ 29.0897, 28.7415,
60.5149

■ 17.3837, 14.5333,
58.3894

■ 34.7208, 35.2227,
61.4691

■ 15.0302, 11.3892,
57.9066

■ 41.2948, 42.6443,
62.5551

■ 13.3419, 8.9517,
57.5250

■ 48.8535, 51.0429,
63.7778

■ 12.2080, 7.1407,
57.2353

■ 57.4363, 60.4532,
65.1418

■ 12.1366, 7.0260,
57.2169

■ 67.0801, 70.9082,
66.6515

■ 77.8204, 82.4393,
68.3112

■ 85.7584, 93.0494,
69.9408

■ 87.7796, 97.0918,
70.6145

Harmonies

Analogous

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



19.6685, 23.1606, 59.4555



24.3556, 23.1606, 59.6867



28.9988, 23.1606, 48.6950

Triad

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



24.3556, 23.1606, 59.6867



29.1485, 23.1606, 11.0462



14.3773, 23.1606, 18.8708

Complementary

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



24.3556, 23.1606, 59.6867



42.6031, 44.7278, 19.2210

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.



16.2509, 23.1606, 10.8421



24.3556, 23.1606, 59.6867



24.5378, 23.1606, 7.5525

Square

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



24.3556, 23.1606, 59.6867



32.0226, 23.1606, 19.2747



19.8265, 23.1606, 7.4943



14.3431, 23.1606, 32.2723

Rectangle

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



24.3556, 23.1606, 59.6867



31.2573, 23.1606, 38.1727



19.8265, 23.1606, 7.4943



14.7995, 23.1606, 15.5860

Sweetspot

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



24.3565, 23.1614, 59.6873



74.0812, 76.9137, 105.5491



34.6554, 48.6782, 47.9562



15.2932, 15.8350, 22.5004



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.3565, 23.1614, 59.6873



33.9743, 30.4987, 98.7039



24.0396, 18.3483, 58.7750



10.8441, 11.3286, 14.1855



7.7889, 4.6018, 36.4340



0.4660, 0.3657, 1.9010

Inverse Universe

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



33.5089, 24.0097, 23.9880



51.3698, 33.3213, 30.5808



42.9392, 53.5559, 20.9072



11.3347, 11.2626, 12.2969



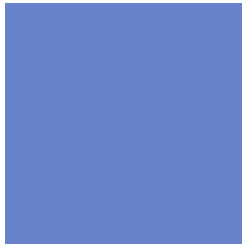
16.1424, 8.2675, 3.2025



0.8652, 0.4395, 0.3358

Previews

White Background



This preview shows how the XYZ color 24.3556, 23.1606, 59.6867 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 24.3556, 23.1606, 59.6867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

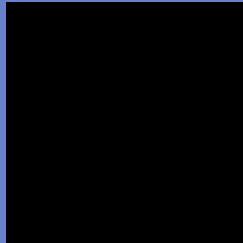
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3556, 23.1606, 59.6867

Background



This preview shows how black text looks on a background with the XYZ color 24.3556, 23.1606, 59.6867.

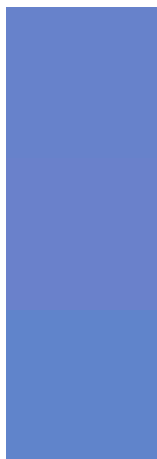


This preview shows how white text looks on a background with the XYZ color 24.3556, 23.1606,

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

24.3556, 23.1606, 59.6867

Protanopia

24.5736, 23.0765, 59.6590

Deuteranopia

23.8546, 23.3011, 59.7402



Tritanopia

18.9761, 23.0494, 33.1546

Trichromacy



Original Color

24.3556, 23.1606, 59.6867

Protanomaly

24.4554, 23.0156, 59.6534

Deuteranomaly

24.0414, 23.1970, 59.7103

Tritanomaly

20.6690, 22.8757, 41.8542

Monochromacy



Original Color

24.3556, 23.1606, 59.6867

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8142, 22.3927, 35.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3556, 23.1606, 59.6867 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(103, 130, 203)` looks like.

```
.text, #text, p{  
    color:rgb(103, 130, 203)  
}
```

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(103, 130, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 130, 203) }
```

Border

The CSS property to change the border of an element to XYZ 24.3556, 23.1606, 59.6867 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(103, 130, 203) }
```


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

```
.border{ border-color:rgb(103, 130, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 130, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 130, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 130, 203);  
box-shadow:4px 4px 4px 4px rgb(103, 130,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3556, 23.1606, 59.6867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 130, 203) }
```

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

```
.background{ background-color: rgb(103,  
130, 203) }
```

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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