

Converting Colors

XYZ(24.0486, 23.3341, 53.6885)

Have a look what the booklet for
XYZ(24.0486, 23.3341, 53.6885)
contains.

XYZ(24.0486, 23.3341, 53.6885)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.0486, 23.3341,
53.6885)**

Conversions

Conversions Part 1

Format	Color
Hex	6D83C1
RGB	109, 131, 193
RGB Percent	43%, 51%, 76%
CMY	0.5725, 0.4863, 0.2431
CMYK	0.44, 0.32, 0.00, 0.24
HSL	224°, 40%, 59%
HSV	224°, 44%, 76%
XYZ	24.0486, 23.3341, 53.6885
YIQ	131.4900, -33.0140, 14.6180

Conversions

Conversions Part 2

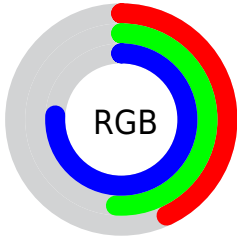
Format	Color
R_{YB}	109, 126, 193
Decimal	7177153
CIE _{Lab}	55.41, 8.42, -34.88
CIE _{LCh}	55, 35.878, 283.573
Yxy	23.3341, 0.2379, 0.2309
Android (android.graphics.Color)	4285367233 (0xFF6D83C1)
YUV	131.4900, 30.3244, -19.7237
Hunter-Lab	48.3054, 4.3309, -32.0835

Details

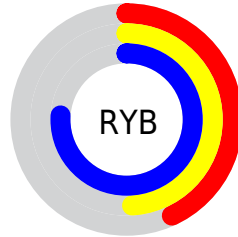
The XYZ color **24.0486, 23.3341, 53.6885** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.3162, 41.5682, 20.4202**, and the grayscale version is **21.6526, 22.7803, 24.8077**.

A 20% lighter version of the original color is **49.7057, 49.0756, 97.2953**, and **9.2530, 8.7109, 25.6198** is the 20% darker color. If you saturate the color by 10%, you get **20.1464, 18.6751, 52.9953**, and if you desaturate by 10%, it is **28.7368, 28.7897, 54.4949**.

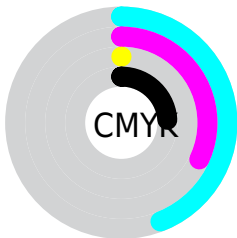
Distribution



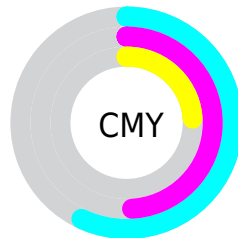
- Red (43%)
- Green (51%)
- Blue (76%)



- Red (43%)
- Yellow (49%)
- Blue (76%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (57%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0486, 23.3341, 53.6885 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 24.0486, 23.3341, 53.6885 by changing the saturation by 10% instead.

■ 24.0486, 23.3341,
53.6885

■ 24.0486, 23.3341,
53.6885

265.5020,
269.4364, 418.0620

■ 15.4946, 14.8404,
37.9612

■ 49.5636, 48.9413,
97.0685

■ 9.2558, 8.7074,
25.6510

■ 67.2553, 66.8237,
125.5583

■ 4.9669, 4.5509,
16.3393

■ 88.7236, 88.6043,
159.1393

■ 2.2624, 1.9862,
9.6076

■ 114.3339,
114.6677, 198.2301

■ 0.7753, 0.5995,
5.0374

144.4516,
145.3982, 243.2493

■ 0.0000, 0.0000,
2.2101

179.4419,

■ 0.0000, 0.0000,

181.1802, 294.6153

0.6802

219.6703,
222.3982, 352.7467

■ 0.0000, 0.0000,
0.0000

■ 24.0486, 23.3341,
53.6885

■ 24.0486, 23.3341,
53.6885

■ 20.1464, 18.6751,
52.9953

■ 28.7368, 28.7897,
54.4949

■ 16.9825, 14.7711,
52.4085

■ 34.2500, 35.0755,
55.4176

■ 14.5078, 11.5800,
51.9230

■ 40.6273, 42.2264,
56.4617

■ 12.6655, 9.0546,
51.5327

■ 47.9047, 50.2745,
57.6316

■ 11.3886, 7.1404,
51.2305

■ 56.1161, 59.2499,
58.9312

■ 10.7899, 6.1786,
51.0764

■ 65.2936, 69.1816,
60.3645

■ 75.4676, 80.0971,
61.9352

■ 83.5076, 90.3941,
63.4990

■ 86.6257, 96.6303,
64.5384

Harmonies

Analogous

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



20.0569, 23.3341, 53.2185



24.0486, 23.3341, 53.6885



27.9646, 23.3341, 45.1334

Triad

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



24.0486, 23.3341, 53.6885



28.2845, 23.3341, 12.9671



15.5406, 23.3341, 19.6296

Complementary

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



24.0486, 23.3341, 53.6885



39.3162, 41.5682, 20.4202

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.



17.2510, 23.3341, 12.4740



24.0486, 23.3341, 53.6885



24.4444, 23.3341, 9.5032

Square

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



24.0486, 23.3341, 53.6885



30.6030, 23.3341, 20.5428



20.4077, 23.3341, 9.3554



15.4619, 23.3341, 30.9838

Rectangle

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



24.0486, 23.3341, 53.6885



29.8730, 23.3341, 36.6285



20.4077, 23.3341, 9.3554



15.9334, 23.3341, 16.7489

Sweetspot

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



24.0494, 23.3350, 53.6891



73.1528, 76.0609, 101.1859



32.6900, 44.3168, 45.1602



15.1161, 15.6739, 21.6139



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.0494, 23.3350, 53.6891



36.5319, 33.9919, 94.9959



24.0878, 19.4244, 52.9322



9.7381, 10.1674, 12.7341



7.2328, 4.2221, 33.9903



0.3709, 0.2991, 1.4881

Inverse Universe

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



31.5584, 23.9143, 24.4262



51.9307, 36.0595, 34.7887



39.1531, 48.1745, 21.7040



10.1791, 10.1202, 11.0336



15.0468, 7.7085, 2.8923



0.6796, 0.3448, 0.2801

Previews

White Background



This preview shows how the XYZ color 24.0486, 23.3341, 53.6885 looks on a white background.

Color Contrast Check

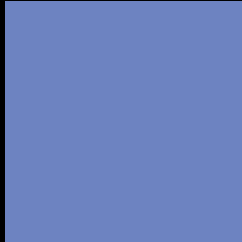
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0486, 23.3341, 53.6885 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

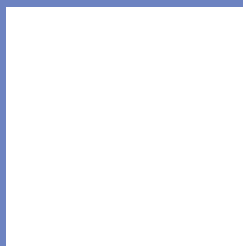
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0486, 23.3341, 53.6885

Background



This preview shows how black text looks on a background with the XYZ color 24.0486, 23.3341, 53.6885.

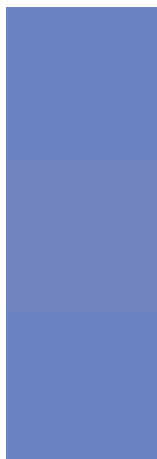


This preview shows how white text looks on a background with the XYZ color 24.0486, 23.3341,

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

24.0486, 23.3341, 53.6885

Protanopia

24.1792, 23.2158, 53.0759

Deuteranopia

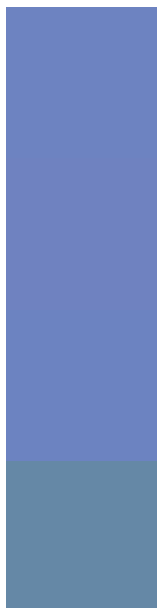
23.8053, 23.2087, 53.6771



Tritanopia

19.7483, 23.2410, 32.7233

Trichromacy



Original Color

24.0486, 23.3341, 53.6885

Protanomaly

24.0526, 23.1505, 53.0700

Deuteranomaly

23.9263, 23.2710, 53.6828

Tritanomaly

21.0539, 23.1282, 39.4309

Monochromacy



Original Color

24.0486, 23.3341, 53.6885

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1174, 22.7766, 33.8025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0486, 23.3341, 53.6885 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(109, 131, 193)` looks like.

```
.text, #text, p{  
    color:rgb(109, 131, 193)  
}
```

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(109, 131, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 131, 193) }
```

Border

The CSS property to change the border of an element to XYZ 24.0486, 23.3341, 53.6885 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(109, 131, 193) }
```


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

```
.border{ border-color:rgb(109, 131, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 131, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 131, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 131, 193);  
box-shadow:4px 4px 4px 4px rgb(109, 131,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0486, 23.3341, 53.6885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 131, 193) }
```

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

```
.background{ background-color: rgb(109,  
131, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor