

Converting Colors

XYZ(21.2651, 23.0687, 45.7159)

Have a look what the booklet for
XYZ(21.2651, 23.0687, 45.7159)
contains.

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Color

**XYZ(21.3545, 23.1383,
45.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	5C88B3
RGB	92, 136, 179
RGB Percent	36%, 53%, 70%
CMY	0.6392, 0.4667, 0.2980
CMYK	0.49, 0.24, 0.00, 0.30
HSL	210°, 36%, 53%
HSV	210°, 49%, 70%
XYZ	21.3545, 23.1383, 45.9885
YIQ	127.7460, -40.0270, 4.0450

Conversions

Conversions Part 2

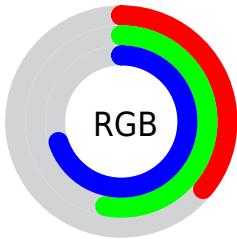
Format	Color
R _Y B	92, 121, 179
Decimal	6064307
CIE Lab	55.21, -3.00, -27.27
CIE LCh	55, 27.439, 263.731
Yxy	23.1383, 0.2360, 0.2557
Android (android.graphics.Color)	4284254387 (0xFF5C88B3)
YUV	127.7460, 25.2682, -31.3492
Hunter-Lab	48.1023, -4.9358, -23.0130

Details

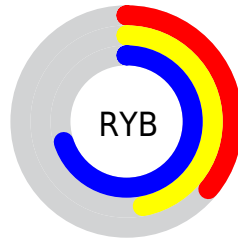
The XYZ color **21.3545, 23.1383, 45.9885** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.1870, 27.6854, 13.9317**, and the grayscale version is **20.3559, 21.4160, 23.3220**.

A 20% lighter version of the original color is **45.2256, 48.5964, 85.5937**, and **7.8212, 8.5370, 20.9742** is the 20% darker color. If you saturate the color by 10%, you get **18.5782, 19.9335, 45.5167**, and if you desaturate by 10%, it is **24.6577, 26.7684, 46.5155**.

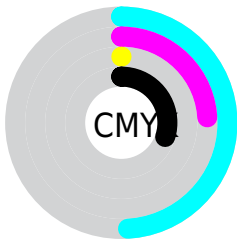
Distribution



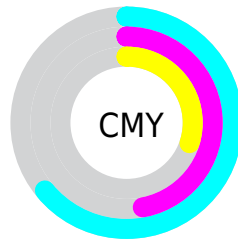
- Red (36%)
- Green (53%)
- Blue (70%)



- Red (36%)
- Yellow (47%)
- Blue (70%)



- Cyan (49%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)



- Cyan (64%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3545, 23.1383, 45.9885 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 21.3545, 23.1383, 45.9885 by changing the saturation by 10% instead.

■ 21.3545, 23.1383,
45.9885

■ 21.3545, 23.1383,
45.9885

251.8527,
268.4345, 387.0387

■ 13.4973, 14.6957,
31.8881

■ 45.1636, 48.6203,
85.5359

■ 7.8512, 8.6061,
21.0120

■ 61.8463, 66.4285,
111.8200

■ 4.0509, 4.4851,
12.9414

■ 82.2014, 88.1273,
143.0025

■ 1.7310, 1.9485,
7.2580

■ 106.5945,
114.1011, 179.5018

■ 0.4755, 0.5773,
3.5431

135.3908,
144.7343, 221.7365

■ 0.0000, 0.0000,
1.3782

168.9557,

■ 0.0000, 0.0000,

180.4114, 270.1252

0.1246

207.6546,
221.5167, 325.0864

■ 0.0000, 0.0000,
0.0000

■ 21.3545, 23.1383,
45.9885

■ 21.3545, 23.1383,
45.9885

■ 18.5782, 19.9335,
45.5167

■ 24.6577, 26.7684,
46.5155

■ 16.2938, 17.1308,
45.0961

■ 28.5151, 30.8399,
47.0981

■ 14.4652, 14.7083,
44.7249

■ 32.9547, 35.3714,
47.7388

■ 13.0498, 12.6401,
44.4003

■ 38.0020, 40.3790,
48.4393

■ 11.9750, 10.8847,
44.1181

■ 43.6808, 45.8784,
49.2015

■ 11.8377, 10.6565,
44.0813

■ 50.0135, 51.8843,
50.0270

■ 57.0215, 58.4107,
50.9173

■ 64.7250, 65.4710,
51.8741

■ 73.1435, 73.0781,
52.8987

Harmonies

Analogous

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



18.6846, 23.1383, 41.4122



21.3545, 23.1383, 45.9885



24.4521, 23.1383, 44.0347

Triad

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



21.3545, 23.1383, 45.9885



27.8450, 23.1383, 18.9894



17.5718, 23.1383, 16.4645

Complementary

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



21.3545, 23.1383, 45.9885



29.1870, 27.6854, 13.9317

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.



19.7032, 23.1383, 12.6791



21.3545, 23.1383, 45.9885



25.6689, 23.1383, 13.8822

Square

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



21.3545, 23.1383, 45.9885



28.3909, 23.1383, 27.0835



22.6426, 23.1383, 11.8578



16.6354, 23.1383, 23.3939

Rectangle

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



21.3545, 23.1383, 45.9885



26.3262, 23.1383, 39.4754



22.6426, 23.1383, 11.8578



18.1622, 23.1383, 14.8536

Sweetspot

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



21.3553, 23.1392, 45.9891



61.9234, 66.2547, 85.9059



24.8411, 36.2388, 28.2590



13.3156, 14.2754, 18.9759



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.



21.3553, 23.1392, 45.9891



33.1023, 35.4971, 81.4881



16.5052, 13.4389, 44.3723



8.3853, 8.9168, 10.7855



8.4302, 7.6608, 31.1714



0.3235, 0.3576, 1.0002

Inverse Universe

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



26.8622, 19.0165, 25.5481



44.4521, 28.5349, 39.0149



36.3538, 42.0190, 16.3206



8.6697, 8.5746, 9.7589



14.4898, 7.3135, 7.7394



0.4853, 0.2419, 0.3984

Previews

White Background



This preview shows how the XYZ color 21.3545, 23.1383, 45.9885 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 21.3545, 23.1383, 45.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

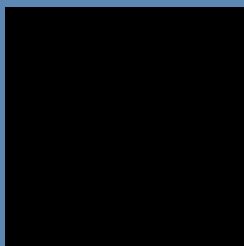
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

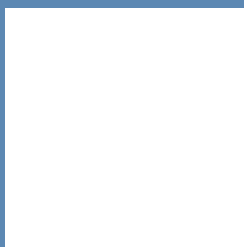
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3545, 23.1383, 45.9885

Background



This preview shows how black text looks on a background with the XYZ color 21.3545, 23.1383, 45.9885.

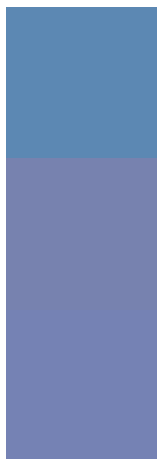


This preview shows how white text looks on a background with the XYZ color 21.3545, 23.1383,

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

21.3545, 23.1383, 45.9885

Protanopia

23.3282, 22.9823, 43.7639

Deuteranopia

23.5570, 23.0425, 46.3861



Tritanopia

18.8485, 23.2016, 33.1907

Trichromacy



Original Color

21.3545, 23.1383, 45.9885

Protanomaly

22.3944, 22.8883, 44.3119

Deuteranomaly

22.6738, 22.9860, 46.4217

Tritanomaly

19.6847, 23.1001, 37.6037

Monochromacy



Original Color

21.3545, 23.1383, 45.9885

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4530, 21.9840, 30.7691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3545, 23.1383, 45.9885 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(92, 136, 179)` looks like.

```
.text, #text, p{  
    color:rgb(92, 136, 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(92, 136, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 136, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.3545, 23.1383, 45.9885 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(92, 136, 179) }
```


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

```
.border{ border-color:rgb(92, 136, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 136, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 136, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 136, 179);  
box-shadow:4px 4px 4px 4px rgb(92, 136,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3545, 23.1383, 45.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 136, 179) }
```

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

```
.background{ background-color: rgb(92, 136,  
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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