

Converting Colors

XYZ(25.1578, 23.2916, 66.9221)

Have a look what the booklet for
XYZ(25.1578, 23.2916, 66.9221)
contains.

XYZ(25.1334, 23.2082, 66.7733)	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(25.1334, 23.2082,
66.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	6381D6
RGB	99, 129, 214
RGB Percent	39%, 51%, 84%
CMY	0.6117, 0.4941, 0.1608
CMYK	0.54, 0.40, 0.00, 0.16
HSL	224°, 58%, 61%
HSV	224°, 54%, 84%
XYZ	25.1334, 23.2082, 66.7733
YIQ	129.7200, -45.1650, 20.0750

Conversions

Conversions Part 2

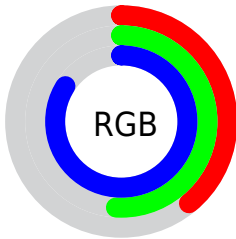
Format	Color
R _Y B	99, 123, 214
Decimal	6521302
CIE Lab	55.29, 13.66, -47.01
CIE LCh	55, 48.957, 286.202
Yxy	23.2082, 0.2183, 0.2016
Android (android.graphics.Color)	4284711382 (0xFF6381D6)
YUV	129.7200, 41.5500, -26.9414
Hunter-Lab	48.1749, 8.8195, -48.4571

Details

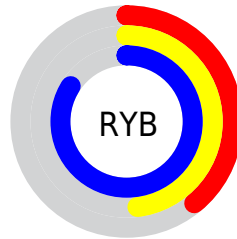
The XYZ color **25.1334, 23.2082, 66.7733** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **47.1254, 49.4798, 18.8724**, and the grayscale version is **20.9896, 22.0827, 24.0481**.

A 20% lighter version of the original color is **48.4882, 47.7438, 101.2676**, and **9.8198, 8.5978, 33.9429** is the 20% darker color. If you saturate the color by 10%, you get **21.1730, 18.3095, 66.0370**, and if you desaturate by 10%, it is **30.0376, 29.0729, 67.6473**.

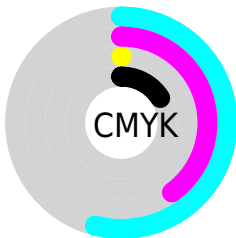
Distribution



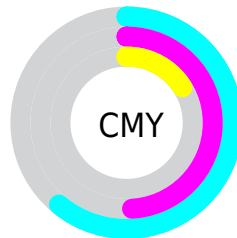
- Red (39%)
- Green (51%)
- Blue (84%)



- Red (39%)
- Yellow (48%)
- Blue (84%)



- Cyan (54%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1334, 23.2082, 66.7733 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 25.1334, 23.2082, 66.7733 by changing the saturation by 10% instead.

■ 25.1334, 23.2082,
66.7733

■ 25.1334, 23.2082,
66.7733

270.8370,
268.7926, 467.6169

■ 16.3057, 14.7473,
48.4400

■ 51.3149, 48.7350,
116.2331

■ 9.8330, 8.6422,
33.8130

■ 69.3994, 66.5696,
148.1966

■ 5.3498, 4.5086,
22.4738

■ 91.3003, 88.2977,
185.5406

■ 2.4908, 1.9619,
14.0038

■ 117.3828,
114.3035, 228.6837

■ 0.8906, 0.5852,
7.9845

148.0124,
144.9715, 278.0443

■ 0.0000, 0.0000,
3.9974

183.5544,

■ 0.0000, 0.0000,

180.6861, 334.0410

1.6239

224.3742,
221.8317, 397.0924

■ 0.0000, 0.0000,
0.3078

■ 0.0000, 0.0000,
0.0000

■ 25.1334, 23.2082,
66.7733

■ 25.1334, 23.2082,
66.7733

■ 21.1730, 18.3095,
66.0370

■ 30.0376, 29.0729,
67.6473

■ 18.0887, 14.3190,
65.4293

■ 35.9412, 35.9518,
68.6639

■ 15.8076, 11.1757,
64.9428

■ 42.8987, 43.8928,
69.8300

■ 14.2422, 8.8088,
64.5684

■ 50.9598, 52.9396,
71.1513

■ 13.5433, 7.6662,
64.3847

■ 60.1708, 63.1337,
72.6335

■ 70.5754, 74.5142,
74.2818

■ 82.2149, 87.1184,
76.1012

■ 89.1377, 97.6351,
77.7662

Harmonies

Analogous

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



19.6383, 23.2082, 67.4019



25.1334, 23.2082, 66.7733



30.5778, 23.2082, 52.4610

Triad

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



25.1334, 23.2082, 66.7733



30.1906, 23.2082, 9.1400



13.3218, 23.2082, 18.7303

Complementary

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



25.1334, 23.2082, 66.7733



47.1254, 49.4798, 18.8724

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.



15.2900, 23.2082, 9.6023



25.1334, 23.2082, 66.7733



24.6702, 23.2082, 5.8256

Square

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



25.1334, 23.2082, 66.7733



33.8120, 23.2082, 17.7459



19.2456, 23.2082, 5.9498



13.4037, 23.2082, 34.6665

Rectangle

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



25.1334, 23.2082, 66.7733



33.1808, 23.2082, 39.5181



19.2456, 23.2082, 5.9498



13.7494, 23.2082, 14.9385

Sweetspot

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



25.1343, 23.2090, 66.7739



72.7227, 75.3117, 105.3115



37.7751, 54.1793, 53.4496



15.0208, 15.5097, 22.4519



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.



25.1343, 23.2090, 66.7739



31.0202, 26.6380, 98.1144



25.1802, 18.2029, 65.8052



12.0034, 12.5302, 15.7234



8.2583, 4.7784, 38.9402



0.5657, 0.4235, 2.3712

Inverse Universe

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



36.1566, 24.8059, 23.6519



49.3789, 30.6113, 25.9962



46.8339, 59.5805, 20.8374



12.5549, 12.4735, 13.5964



17.2273, 8.8272, 3.2349



1.0732, 0.5461, 0.3749

Previews

White Background



This preview shows how the XYZ color 25.1334, 23.2082, 66.7733 looks on a white background.

Color Contrast Check

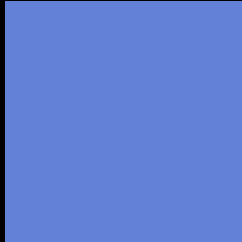
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1334, 23.2082, 66.7733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

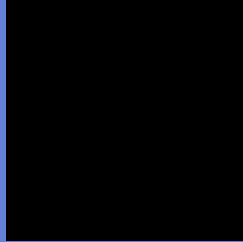
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.1334, 23.2082, 66.7733

Background



This preview shows how black text looks on a background with the XYZ color 25.1334, 23.2082, 66.7733.

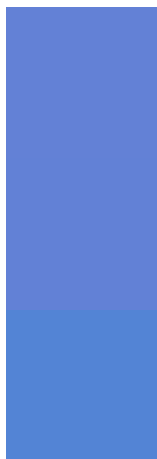


This preview shows how white text looks on a background with the XYZ color 25.1334, 23.2082,

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

25.1334, 23.2082, 66.7733

Protanopia

25.0249, 23.1522, 66.7682

Deuteranopia

23.8288, 23.1456, 66.1624



Tritanopia

18.5647, 23.2656, 33.6492

Trichromacy



Original Color

25.1334, 23.2082, 66.7733

Protanomaly

25.0249, 23.1522, 66.7682

Deuteranomaly

24.2464, 23.1605, 66.1433

Tritanomaly

20.5213, 22.9649, 43.9085

Monochromacy



Original Color

25.1334, 23.2082, 66.7733

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.0234, 22.4604, 36.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1334, 23.2082, 66.7733 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(99, 129, 214)` looks like.

```
.text, #text, p{  
    color:rgb(99, 129, 214)  
}
```

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(99, 129, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 129, 214) }
```

Border

The CSS property to change the border of an element to XYZ 25.1334, 23.2082, 66.7733 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(99, 129, 214) }
```


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

```
.border{ border-color:rgb(99, 129, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 129, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 129, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 129, 214);  
box-shadow:4px 4px 4px 4px rgb(99, 129,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1334, 23.2082, 66.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 129, 214) }
```

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

```
.background{ background-color: rgb(99, 129,  
214) }
```

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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