

Converting Colors

XYZ(23.2024, 22.9946, 50.2322)

Have a look what the booklet for
XYZ(23.2024, 22.9946, 50.2322)
contains.

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Color

**XYZ(23.1493, 22.9463,
50.2227)**

Conversions

Conversions Part 1

Format	Color
Hex	6B83BB
RGB	107, 131, 187
RGB Percent	42%, 51%, 73%
CMY	0.5804, 0.4863, 0.2667
CMYK	0.43, 0.30, 0.00, 0.27
HSL	222°, 37%, 58%
HSV	222°, 43%, 73%
XYZ	23.1493, 22.9463, 50.2227
YIQ	130.2080, -32.2800, 12.3280

Conversions

Conversions Part 2

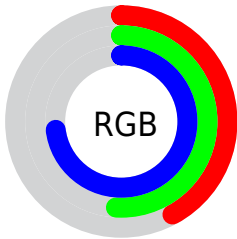
Format	Color
R_{YB}	107, 125, 187
Decimal	7046075
CIE _{Lab}	55.02, 6.14, -32.09
CIE _{LCh}	55, 32.669, 280.838
Yxy	22.9463, 0.2403, 0.2382
Android (android.graphics.Color)	4285236155 (0xFF6B83BB)
YUV	130.2080, 27.9985, -20.3534
Hunter-Lab	47.9023, 2.4330, -28.6304

Details

The XYZ color **23.1493, 22.9463, 50.2227** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **36.2451, 37.8212, 19.3006**, and the grayscale version is **21.2045, 22.3088, 24.2943**.

A 20% lighter version of the original color is **48.0161, 48.3291, 91.5918**, and **8.7723, 8.5123, 23.3710** is the 20% darker color. If you saturate the color by 10%, you get **19.4911, 18.6137, 49.5797**, and if you desaturate by 10%, it is **27.5174, 27.9755, 50.9636**.

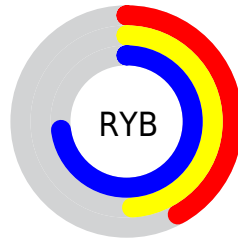
Distribution



Red (42%)

Green (51%)

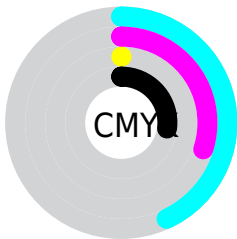
Blue (73%)



Red (42%)

Yellow (49%)

Blue (73%)

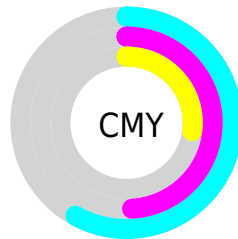


Cyan (43%)

Magenta (30%)

Yellow (0%)

Black (27%)



Cyan (58%)

Magenta (49%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1493, 22.9463, 50.2227 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 23.1493, 22.9463, 50.2227 by changing the saturation by 10% instead.

■ 23.1493, 22.9463,
50.2227

■ 23.1493, 22.9463,
50.2227

261.0119,
267.4491, 404.2962

■ 14.8251, 14.5539,
35.2180

■ 48.1032, 48.3051,
91.9045

■ 8.7822, 8.5069,
23.5459

■ 65.4636, 66.0403,
119.4185

■ 4.6554, 4.4210,
14.7881

■ 86.5668, 87.6585,
151.9395

■ 2.0792, 1.9117,
8.5258

■ 111.7782,
113.5442, 189.8859

■ 0.6779, 0.5554,
4.3406

141.4630,
144.0817, 233.6762

■ 0.0000, 0.0000,
1.8140

175.9866,

■ 0.0000, 0.0000,

179.6554, 283.7290

0.4372

215.7145,
220.6497, 340.4628

■ 0.0000, 0.0000,
0.0000

■ 23.1493, 22.9463,
50.2227

■ 23.1493, 22.9463,
50.2227

■ 19.4911, 18.6137,
49.5797

■ 27.5174, 27.9755,
50.9636

■ 16.5005, 14.9423,
49.0286

■ 32.6297, 33.7293,
51.8048

■ 14.1341, 11.8972,
48.5656

■ 38.5209, 40.2370,
52.7504

■ 12.3420, 9.4388,
48.1855

■ 45.2230, 47.5257,
53.8040

■ 11.0654, 7.5217,
47.8828

■ 52.7659, 55.6209,
54.9690

■ 10.3888, 6.4261,
47.7070

■ 61.1781, 64.5470,
56.2485

■ 70.4867, 74.3274,
57.6457

■ 80.1253, 84.6790,
59.1358

■ 84.0274, 92.4832,
60.4365

Harmonies

Analogous

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



19.5971, 22.9463, 49.0356



23.1493, 22.9463, 50.2227



26.7021, 22.9463, 43.3740

Triad

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



23.1493, 22.9463, 50.2227



27.5307, 22.9463, 14.0562



15.8564, 22.9463, 18.9785

Complementary

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



23.1493, 22.9463, 50.2227



36.2451, 37.8212, 19.3006

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.



17.5548, 22.9463, 12.7033



23.1493, 22.9463, 50.2227



24.1830, 22.9463, 10.4553

Square

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



23.1493, 22.9463, 50.2227



29.4120, 22.9463, 21.4098



20.5229, 22.9463, 10.0406



15.6453, 22.9463, 28.9368

Rectangle

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



23.1493, 22.9463, 50.2227



28.4934, 22.9463, 36.0511



20.5229, 22.9463, 10.0406



16.2627, 22.9463, 16.4519

Sweetspot

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



23.1501, 22.9472, 50.2233



68.5063, 71.5332, 94.3980



30.3263, 41.2638, 40.3943



14.5459, 15.1593, 20.7020



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1501, 22.9472, 50.2233



35.4810, 34.0257, 88.8990



22.2070, 18.2173, 49.3600



9.2436, 9.6795, 12.0533



7.2140, 4.5397, 32.8889



0.3417, 0.2961, 1.3080

Inverse Universe

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



29.8486, 22.7196, 24.2858



49.2464, 34.4369, 35.4007



37.5112, 45.4111, 20.6989



9.6448, 9.5822, 10.5186



14.6421, 7.4880, 3.4087



0.6034, 0.3053, 0.2907

Previews

White Background



This preview shows how the XYZ color 23.1493, 22.9463, 50.2227 looks on a white background.

Color Contrast Check

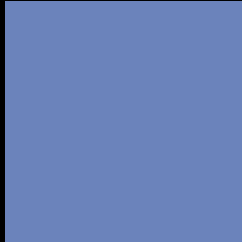
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1493, 22.9463, 50.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

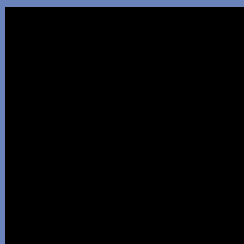
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

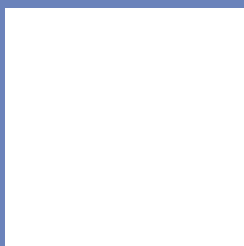
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1493, 22.9463, 50.2227

Background



This preview shows how black text looks on a background with the XYZ color 23.1493, 22.9463, 50.2227.



This preview shows how white text looks on a background with the XYZ color 23.1493, 22.9463,

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

23.1493, 22.9463, 50.2227

Protanopia

23.6526, 22.8231, 49.6130

Deuteranopia

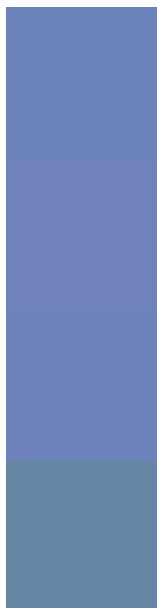
23.3827, 22.8681, 50.1953



Tritanopia

19.4431, 22.8883, 31.8269

Trichromacy



Original Color

23.1493, 22.9463, 50.2227

Protanomaly

23.4011, 22.8899, 49.6392

Deuteranomaly

23.2589, 22.8043, 50.1895

Tritanomaly

20.6417, 22.7390, 37.9515

Monochromacy



Original Color

23.1493, 22.9463, 50.2227

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.5946, 22.3372, 32.4515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1493, 22.9463, 50.2227 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(107, 131, 187)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 187)  
}
```

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(107, 131, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.1493, 22.9463, 50.2227 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(107, 131, 187) }
```


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

```
.border{ border-color:rgb(107, 131, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 131, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 131, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 131, 187); box-shadow:4px 4px 4px 4px rgb(107, 131, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1493, 22.9463, 50.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 187) }
```

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

```
.background{ background-color: rgb(107,  
131, 187) }
```

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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