

Converting Colors

XYZ(23.2117, 20.9362, 55.2305)

Have a look what the booklet for
XYZ(23.2117, 20.9362, 55.2305)
contains.

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Color

**XYZ(23.2316, 20.9753,
55.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	6E79C4
RGB	110, 121, 196
RGB Percent	43%, 47%, 77%
CMY	0.5686, 0.5255, 0.2314
CMYK	0.44, 0.38, 0.00, 0.23
HSL	232°, 42%, 60%
HSV	232°, 44%, 77%
XYZ	23.2316, 20.9753, 55.0487
YIQ	126.2610, -30.6310, 20.9930

Conversions

Conversions Part 2

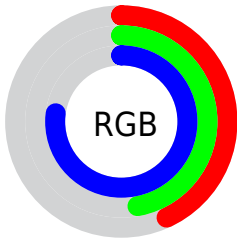
Format	Color
R _Y B	110, 120, 196
Decimal	7240132
CIE Lab	52.92, 15.54, -40.50
CIE LCh	53, 43.376, 290.994
Yxy	20.9753, 0.2341, 0.2113
Android (android.graphics.Color)	4285430212 (0xFF6E79C4)
YUV	126.2610, 34.3813, -14.2609
Hunter-Lab	45.7988, 10.3968, -39.2055

Details

The XYZ color **23.2316, 20.9753, 55.0487** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.9292, 47.5606, 21.6705**, and the grayscale version is **19.8148, 20.8467, 22.7021**.

A 20% lighter version of the original color is **48.1902, 44.9783, 99.0703**, and **8.8406, 7.5303, 26.5787** is the 20% darker color. If you saturate the color by 10%, you get **19.1608, 16.0618, 54.3153**, and if you desaturate by 10%, it is **28.2113, 26.9045, 55.9311**.

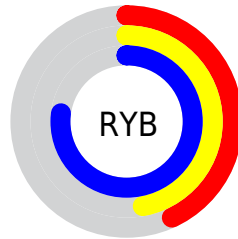
Distribution



Red (43%)

Green (47%)

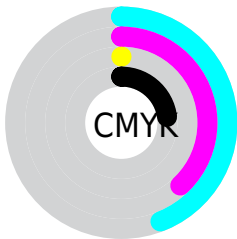
Blue (77%)



Red (43%)

Yellow (47%)

Blue (77%)

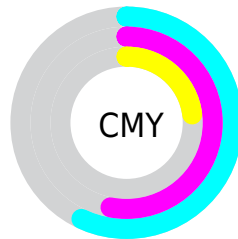


Cyan (44%)

Magenta (38%)

Yellow (0%)

Black (23%)



Cyan (57%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2316, 20.9753, 55.0487 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 23.2316, 20.9753, 55.0487 by changing the saturation by 10% instead.

■ 23.2316, 20.9753,
55.0487

■ 23.2316, 20.9753,
55.0487

261.4255,
257.1472, 423.3837

■ 14.8862, 13.1059,
39.0419

■ 48.2372, 45.0464,
99.0842

■ 8.8254, 7.5015,
26.4842

■ 65.6282, 62.0170,
127.9499

■ 4.6837, 3.7777,
16.9572

■ 86.7650, 82.7901,
161.9389

■ 2.0957, 1.5500,
10.0424

112.0132,
107.7501, 201.4699

■ 0.6869, 0.3235,
5.3211

141.7379,
137.2814, 246.9613

■ 0.0000, 0.0000,
2.3748

176.3047,

■ 0.0000, 0.0000,

171.7684, 298.8317

0.7727

216.0787,
211.5956, 357.4997

■ 0.0000, 0.0000,
0.0000

■ 23.2316, 20.9753,
55.0487

■ 23.2316, 20.9753,
55.0487

■ 19.1608, 16.0618,
54.3153

■ 28.2113, 26.9045,
55.9311

■ 15.9413, 12.1043,
53.7211

■ 34.1484, 33.8999,
56.9684

■ 13.5122, 9.0403,
53.2577

■ 41.0903, 42.0115,
58.1682

■ 11.8035, 6.7988,
52.9151

■ 49.0811, 51.2853,
59.5371

■ 10.7324, 5.2975,
52.6818

■ 58.1619, 61.7648,
61.0813

■ 10.3129, 4.6837,
52.5854

■ 68.3715, 73.4912,
62.8066

■ 79.7472, 86.5038,
64.7187

■ 86.9639, 96.7655,
66.3190

Harmonies

Analogous

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



18.6005, 20.9753, 57.5151



23.2316, 20.9753, 55.0487



27.5214, 20.9753, 42.4726

Triad

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



23.2316, 20.9753, 55.0487



25.9532, 20.9753, 8.3954



12.4955, 20.9753, 19.1432

Complementary

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



23.2316, 20.9753, 55.0487



42.9292, 47.5606, 21.6705

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.



13.8913, 20.9753, 10.4371



23.2316, 20.9753, 55.0487



21.3348, 20.9753, 5.9724

Square

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



23.2316, 20.9753, 55.0487



29.2511, 20.9753, 14.9989



16.9685, 20.9753, 6.5425



12.8444, 20.9753, 33.0218

Rectangle

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



23.2316, 20.9753, 55.0487



29.3852, 20.9753, 31.9896



16.9685, 20.9753, 6.5425



12.7672, 20.9753, 15.6238

Sweetspot

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



23.2324, 20.9761, 55.0492



75.3490, 77.1674, 105.5312



34.8788, 46.2785, 52.7360



15.4835, 15.7665, 22.4771



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.



23.2324, 20.9761, 55.0492



34.7397, 29.1320, 98.3998



26.6161, 20.8481, 54.8462



9.6298, 9.9510, 12.6980



6.6621, 3.0807, 33.8001



0.3226, 0.2027, 1.4720

Inverse Universe

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



31.7928, 24.2691, 21.0986



52.4635, 36.4669, 27.9912



37.9615, 48.5484, 22.1230



10.1245, 10.0984, 10.7460



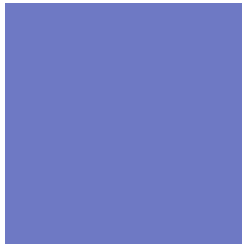
14.7587, 7.5932, 1.3754



0.6552, 0.3351, 0.1519

Previews

White Background



This preview shows how the XYZ color 23.2316, 20.9753, 55.0487 looks on a white background.

Color Contrast Check

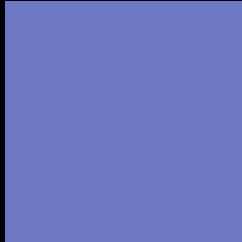
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2316, 20.9753, 55.0487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

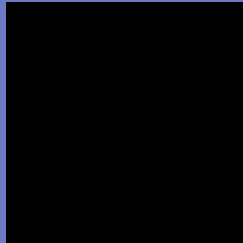
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2316, 20.9753, 55.0487

Background



This preview shows how black text looks on a background with the XYZ color 23.2316, 20.9753, 55.0487.

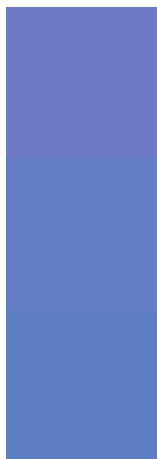


This preview shows how white text looks on a background with the XYZ color 23.2316, 20.9753,

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

23.2316, 20.9753, 55.0487

Protanopia

22.4377, 21.0892, 56.3141

Deuteranopia

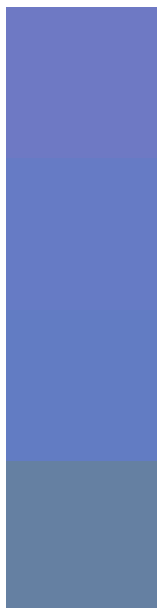
21.6256, 21.0860, 54.5600



Tritanopia

18.0331, 20.9725, 29.0843

Trichromacy



Original Color

23.2316, 20.9753, 55.0487

Protanomaly

22.6405, 21.0219, 55.6877

Deuteranomaly

22.0950, 20.9521, 54.5094

Tritanomaly

19.6076, 20.8137, 37.1664

Monochromacy



Original Color

23.2316, 20.9753, 55.0487

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5393, 20.6427, 32.1801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2316, 20.9753, 55.0487 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(110, 121, 196)` looks like.

```
.text, #text, p{  
    color:rgb(110, 121, 196)  
}
```

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(110, 121, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 121, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.2316, 20.9753, 55.0487 is called "border". The border property can be set on classes, ids or directly on the HTML element.

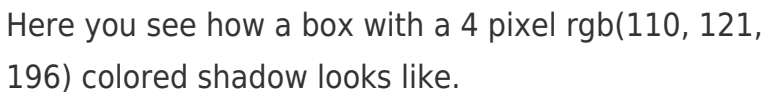
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 121, 196) }
```


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

```
.border{ border-color:rgb(110, 121, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 121, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 121, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 121, 196);  
box-shadow:4px 4px 4px 4px rgb(110, 121,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2316, 20.9753, 55.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 121, 196) }
```

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

```
.background{ background-color: rgb(110,  
121, 196) }
```

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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