

Converting Colors

XYZ(23.1520, 25.3069, 33.5121)

Have a look what the booklet for
XYZ(23.1520, 25.3069, 33.5121)
contains.

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Color

**XYZ(23.0716, 25.1607,
33.3463)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8C98
RGB	122, 140, 152
RGB Percent	48%, 55%, 60%
CMY	0.5216, 0.4510, 0.4039
CMYK	0.20, 0.08, 0.00, 0.40
HSL	204°, 13%, 54%
HSV	204°, 20%, 60%
XYZ	23.0716, 25.1607, 33.3463
YIQ	135.9860, -14.5800, -0.0840

Conversions

Conversions Part 2

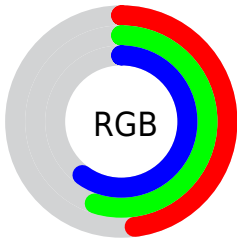
Format	Color
R_{YB}	122, 133, 152
Decimal	8031384
CIE _{Lab}	57.23, -3.75, -8.55
CIE _{LCh}	57, 9.337, 246.300
Yxy	25.1607, 0.2828, 0.3084
Android (android.graphics.Color)	4286221464 (0xFF7A8C98)
YUV	135.9860, 7.8949, -12.2657
Hunter-Lab	50.1604, -5.6786, -4.3033

Details

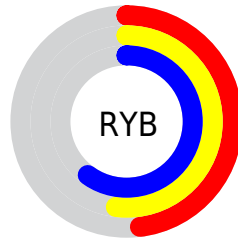
The XYZ color **23.0716, 25.1607, 33.3463** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9871, 25.1308, 21.9466**, and the grayscale version is **23.3724, 24.5895, 26.7780**.

A 20% lighter version of the original color is **48.1116, 52.1538, 65.9235**, and **8.7528, 9.6684, 13.7168** is the 20% darker color. If you saturate the color by 10%, you get **20.2217, 22.4096, 32.9659**, and if you desaturate by 10%, it is **26.3088, 28.1856, 33.7599**.

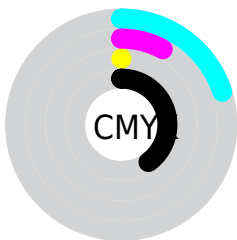
Distribution



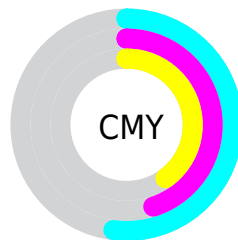
- Red (48%)
- Green (55%)
- Blue (60%)



- Red (48%)
- Yellow (52%)
- Blue (60%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)



- Cyan (52%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0716, 25.1607, 33.3463 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 23.0716, 25.1607, 33.3463 by changing the saturation by 10% instead.

■ 23.0716, 25.1607,
33.3463

■ 23.0716, 25.1607,
33.3463

260.6210,
278.6373, 331.8870

■ 14.7674, 16.1968,
22.1186

■ 47.9767, 51.9178,
66.0380

■ 8.7415, 9.6635,
13.7449

■ 65.3082, 70.4798,
88.3391

■ 4.6287, 5.1764,
7.8067

■ 86.3796, 93.0100,
115.1685

■ 2.0636, 2.3512,
3.8855

111.5561,
119.8928, 146.9445

■ 0.6693, 0.8006,
1.5628

141.2031,
151.5125, 184.0859

■ 0.0000, 0.0000,
0.2640

175.6861,

■ 0.0000, 0.0000,

188.2535, 227.0110

0.0000

215.3702,
230.5003, 276.1386

■ 23.0716, 25.1607,
33.3463

■ 23.0716, 25.1607,
33.3463

■ 20.2217, 22.4096,
32.9659

■ 26.3088, 28.1856,
33.7599

■ 17.7404, 19.9197,
32.6161

■ 29.9463, 31.4902,
34.2061

■ 15.6108, 17.6815,
32.2963

■ 33.9993, 35.0841,
34.6862

■ 13.8137, 15.6840,
32.0055

■ 38.4817, 38.9756,
35.2010

■ 12.3279, 13.9151,
31.7423

■ 43.4065, 43.1724,
35.7515

■ 11.1296, 12.3610,
31.5055

■ 48.7861, 47.6820,
36.3384

■ 10.1907, 11.0062,
31.2935

■ 54.6326, 52.5116,
36.9625

■ 9.4453, 9.8150,
31.1029

■ 60.9575, 57.6682,
37.6245

■ 9.4265, 9.7849,
31.0981

■ 66.3591, 62.4301,
38.2589

Harmonies

Analogous

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



22.2446, 25.1607, 31.1537



23.0716, 25.1607, 33.3463



24.1481, 25.1607, 33.8917

Triad

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



23.0716, 25.1607, 33.3463



26.0865, 25.1607, 26.7341



22.6800, 25.1607, 22.7836

Complementary

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



23.0716, 25.1607, 33.3463



24.9871, 25.1308, 21.9466

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.



23.6824, 25.1607, 21.7878



23.0716, 25.1607, 33.3463



25.6659, 25.1607, 23.9528

Square

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



23.0716, 25.1607, 33.3463



25.9108, 25.1607, 29.9120



24.7777, 25.1607, 22.1988



22.0234, 25.1607, 25.0247

Rectangle

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



23.0716, 25.1607, 33.3463



24.8672, 25.1607, 33.2136



24.7777, 25.1607, 22.1988



22.9865, 25.1607, 22.3003

Sweetspot

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



23.0724, 25.1617, 33.3469



48.6778, 51.8028, 59.8670



23.5230, 28.3019, 26.5954



10.9802, 11.6978, 13.5967



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.0724, 25.1617, 33.3469



38.2611, 42.0557, 58.5346



21.0911, 21.1993, 32.6865



6.1772, 6.6117, 7.8796



7.9346, 8.2660, 26.0850



0.1541, 0.1945, 0.4018

Inverse Universe

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



24.6427, 22.4885, 27.8540



41.6254, 36.5437, 46.7180



27.1307, 29.4180, 22.6612



6.3565, 6.2818, 7.2576



12.4638, 6.2398, 8.9674



0.2042, 0.1004, 0.2283

Previews

White Background



This preview shows how the XYZ color 23.0716, 25.1607, 33.3463 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 23.0716, 25.1607, 33.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

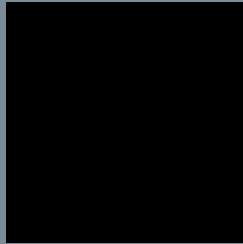
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

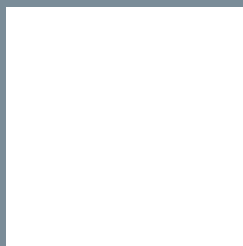
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0716, 25.1607, 33.3463

Background



This preview shows how black text looks on a background with the XYZ color 23.0716, 25.1607, 33.3463.

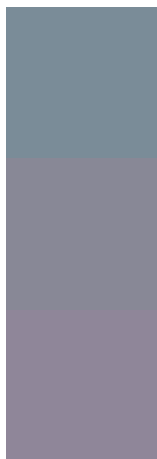


This preview shows how white text looks on a background with the XYZ color 23.0716, 25.1607,

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

23.0716, 25.1607, 33.3463

Protanopia

24.4625, 25.0446, 32.3989

Deuteranopia

25.6026, 25.1897, 33.6497



Tritanopia

22.9900, 25.1281, 32.9167

Trichromacy



Original Color

23.0716, 25.1607, 33.3463

Protanomaly

23.8916, 24.9510, 32.8350

Deuteranomaly

24.5456, 25.0591, 33.6802

Tritanomaly

22.9900, 25.1281, 32.9167

Monochromacy



Original Color

23.0716, 25.1607, 33.3463

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1882, 24.6696, 29.1307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0716, 25.1607, 33.3463 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(122, 140, 152)` looks like.

```
.text, #text, p{  
    color:rgb(122, 140, 152)  
}
```

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(122, 140, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 140, 152) }
```

Border

The CSS property to change the border of an element to XYZ 23.0716, 25.1607, 33.3463 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(122, 140, 152) }
```


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

```
.border{ border-color:rgb(122, 140, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 140, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 140, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 140, 152);  
box-shadow:4px 4px 4px 4px rgb(122, 140,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0716, 25.1607, 33.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 140, 152) }
```

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

```
.background{ background-color: rgb(122,  
140, 152) }
```

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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