

Converting Colors

XYZ(23.1606, 30.9443, 43.2945)

Have a look what the booklet for
XYZ(23.1606, 30.9443, 43.2945)
contains.

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Color

**XYZ(23.2601, 31.1158,
43.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	45A5AB
RGB	69, 165, 171
RGB Percent	27%, 65%, 67%
CMY	0.7294, 0.3529, 0.3294
CMYK	0.60, 0.04, 0.00, 0.33
HSL	184°, 42%, 47%
HSV	184°, 60%, 67%
XYZ	23.2601, 31.1158, 43.3081
YIQ	136.9800, -59.1420, -18.4860

Conversions

Conversions Part 2

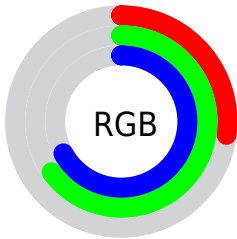
Format	Color
RYB	69, 118, 171
Decimal	4564395
CIELab	62.61, -26.07, -11.56
CIELCh	63, 28.515, 203.912
Yxy	31.1158, 0.2381, 0.3185
Android (android.graphics.Color)	4282754475 (0xFF45A5AB)
YUV	136.9800, 16.7719, -59.6185
Hunter-Lab	55.7815, -23.1858, -6.9849

Details

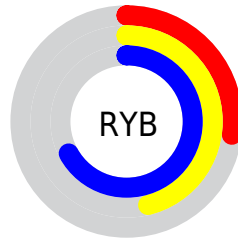
The XYZ color **23.2601, 31.1158, 43.3081** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3855, 14.1205, 7.2822**, and the grayscale version is **23.7259, 24.9615, 27.1831**.

A 20% lighter version of the original color is **48.2228, 61.2666, 81.2355**, and **9.2349, 13.1422, 19.5027** is the 20% darker color. If you saturate the color by 10%, you get **22.0370, 30.2177, 43.1998**, and if you desaturate by 10%, it is **24.8360, 32.1993, 43.4347**.

Distribution



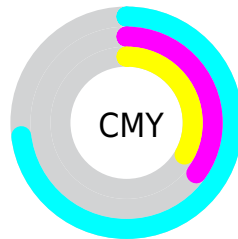
- Red (27%)
- Green (65%)
- Blue (67%)



- Red (27%)
- Yellow (46%)
- Blue (67%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2601, 31.1158, 43.3081 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 23.2601, 31.1158, 43.3081 by changing the saturation by 10% instead.

■ 23.2601, 31.1158,
43.3081

■ 23.2601, 31.1158,
43.3081

261.5686,
307.0715, 375.8357

■ 14.9074, 20.6870,
29.7937

■ 48.2836, 61.4223,
81.4669

■ 8.8403, 12.8954,
19.4314

■ 65.6851, 82.0689,
106.9485

■ 4.6935, 7.3566,
11.8024

■ 86.8336, 106.8902,
137.2562

■ 2.1014, 3.6861,
6.4884

■ 112.0945,
136.2706, 172.8085

■ 0.6900, 1.4996,
3.0707

■ 141.8331,
170.5946, 214.0241

■ 0.0000, 0.2884,
1.1309

176.4147,

■ 0.0000, 0.0000,

210.2464, 261.3215

0.0000

216.2047,
255.6106, 315.1192

■ 23.2601, 31.1158,
43.3081

■ 23.2601, 31.1158,
43.3081

■ 22.0370, 30.2177,
43.1998

■ 24.8360, 32.1993,
43.4347

■ 21.1330, 29.4856,
43.1061

■ 26.7892, 33.4786,
43.5787

■ 20.5126, 28.9017,
43.0261

■ 29.1453, 34.9678,
43.7420

■ 20.0998, 28.4270,
42.9562

■ 31.9267, 36.6784,
43.9256

■ 20.0860, 28.4107,
42.9538

■ 35.1543, 38.6212,
44.1305

■ 38.8476, 40.8062,
44.3575

■ 43.0248, 43.2428,
44.6077

■ 47.7034, 45.9400,
44.8817

■ 52.8998, 48.9063,
45.1804

Harmonies

Analogous

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



22.7536, 31.1158, 31.6618



23.2601, 31.1158, 43.3081



25.3907, 31.1158, 54.2665

Triad

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



23.2601, 31.1158, 43.3081



36.0286, 31.1158, 48.1022



30.3737, 31.1158, 16.7538

Complementary

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



23.2601, 31.1158, 43.3081



20.3855, 14.1205, 7.2822

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.



34.1947, 31.1158, 19.3700



23.2601, 31.1158, 43.3081



37.6384, 31.1158, 36.1990

Square

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



23.2601, 31.1158, 43.3081



32.7057, 31.1158, 57.4312



36.9396, 31.1158, 25.9300



26.6501, 31.1158, 17.8491

Rectangle

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



23.2601, 31.1158, 43.3081



27.5532, 31.1158, 58.8616



36.9396, 31.1158, 25.9300



31.6926, 31.1158, 17.2061

Sweetspot

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



23.2610, 31.1170, 43.3088



57.8991, 66.1260, 78.7139



18.2573, 30.8875, 11.4968



12.5716, 14.5395, 17.5315



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2610, 31.1170, 43.3088



38.8164, 53.6092, 77.3036



15.9252, 16.4452, 40.8635



8.1954, 8.9902, 10.2560



15.1552, 21.4443, 32.3849



0.4335, 0.6203, 0.9049

Inverse Universe

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



25.7151, 15.6317, 37.2605



43.7486, 23.7405, 64.8660



25.2159, 23.7811, 8.8923



8.3164, 8.1398, 9.9771



17.5133, 8.4679, 26.1462



0.4932, 0.2380, 0.7589

Previews

White Background



This preview shows how the XYZ color 23.2601, 31.1158, 43.3081 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.2601, 31.1158, 43.3081 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 ✓ Pass

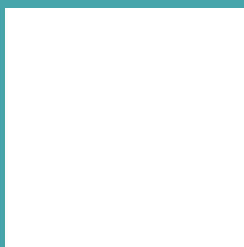
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2601, 31.1158, 43.3081

Background



This preview shows how black text looks on a background with the XYZ color 23.2601, 31.1158, 43.3081.

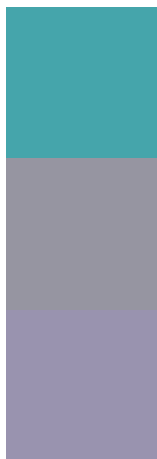


This preview shows how white text looks on a background with the XYZ color 23.2601, 31.1158,

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

23.2601, 31.1158, 43.3081

Protanopia

29.7581, 30.5521, 38.0469

Deuteranopia

31.3085, 30.7349, 44.8397



Tritanopia

23.8838, 31.1030, 46.3396

Trichromacy



Original Color

23.2601, 31.1158, 43.3081

Protanomaly

26.3980, 30.2242, 40.0398

Deuteranomaly

27.2216, 30.3048, 44.4591

Tritanomaly

23.6119, 30.9857, 45.2938

Monochromacy



Original Color

23.2601, 31.1158, 43.3081

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.5406, 26.4821, 32.3573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2601, 31.1158, 43.3081 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(69, 165, 171)` looks like.

```
.text, #text, p{  
    color:rgb(69, 165, 171)  
}
```

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(69, 165, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 165, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.2601, 31.1158, 43.3081 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(69, 165, 171) }
```


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

```
.border{ border-color:rgb(69, 165, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 165, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 165, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 165, 171);  
box-shadow:4px 4px 4px 4px rgb(69, 165,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2601, 31.1158, 43.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 165, 171) }
```

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

```
.background{ background-color: rgb(69, 165,  
171) }
```

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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