

Converting Colors

XYZ(19.7055, 23.2446, 36.5251)

Have a look what the booklet for
XYZ(19.7055, 23.2446, 36.5251)
contains.

XYZ(19.8431, 23.4181, 36.7320)	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(19.8431, 23.4181,
36.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	598CA0
RGB	89, 140, 160
RGB Percent	35%, 55%, 63%
CMY	0.6510, 0.4510, 0.3725
CMYK	0.44, 0.12, 0.00, 0.37
HSL	197°, 29%, 49%
HSV	197°, 44%, 63%
XYZ	19.8431, 23.4181, 36.7320
YIQ	127.0310, -36.8160, -4.5920

Conversions

Conversions Part 2

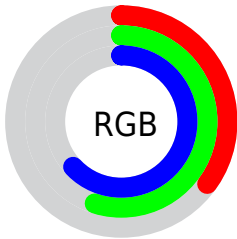
Format	Color
RYB	89, 119, 160
Decimal	5868704
CIELab	55.50, -11.58, -15.95
CIElCh	56, 19.709, 234.030
Yxy	23.4181, 0.2481, 0.2928
Android (android.graphics.Color)	4284058784 (0xFF598CA0)
YUV	127.0310, 16.2537, -33.3532
Hunter-Lab	48.3923, -11.4930, -11.1293

Details

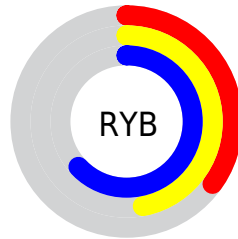
The XYZ color **19.8431, 23.4181, 36.7320** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7695, 19.1327, 11.9975**, and the grayscale version is **20.1391, 21.1879, 23.0736**.

A 20% lighter version of the original color is **42.7129, 49.2407, 71.5432**, and **7.0561, 8.7524, 15.5048** is the 20% darker color. If you saturate the color by 10%, you get **17.8264, 21.4213, 36.4533**, and if you desaturate by 10%, it is **22.2219, 25.6427, 37.0364**.

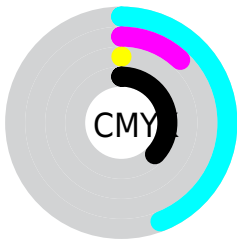
Distribution



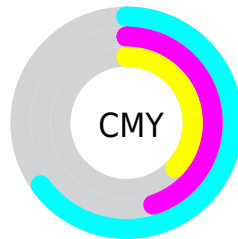
- Red (35%)
- Green (55%)
- Blue (63%)



- Red (35%)
- Yellow (47%)
- Blue (63%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (37%)



- Cyan (65%)
- Magenta (45%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8431, 23.4181, 36.7320 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 19.8431, 23.4181, 36.7320 by changing the saturation by 10% instead.

■ 19.8431, 23.4181,
36.7320

■ 19.8431, 23.4181,
36.7320

243.9142,
269.8652, 347.2825

■ 12.3886, 14.9025,
24.7059

■ 42.6599, 49.0789,
71.3421

■ 7.0830, 8.7510,
15.6411

■ 58.7530, 66.9930,
94.7632

■ 3.5609, 4.5791,
9.1189

■ 78.4563, 88.8087,
122.8197

■ 1.4568, 2.0025,
4.7210

■ 102.1353,
114.9104, 155.9302

■ 0.2962, 0.6089,
2.0286

130.1552,
145.6825, 194.5132

■ 0.0000, 0.0000,
0.5728

162.8814,

■ 0.0000, 0.0000,

181.5094, 238.9872

0.0000

200.6793,
222.7755, 289.7708

■ 19.8431, 23.4181,
36.7320

■ 19.8431, 23.4181,
36.7320

■ 17.8264, 21.4213,
36.4533

■ 22.2219, 25.6427,
37.0364

■ 16.1476, 19.6376,
36.1975

■ 24.9809, 28.1033,
37.3660

■ 14.7824, 18.0548,
35.9639

■ 28.1394, 30.8109,
37.7221

■ 13.7027, 16.6577,
35.7512

■ 31.7148, 33.7747,
38.1057

■ 12.8739, 15.4281,
35.5575

■ 35.7234, 37.0037,
38.5177

■ 12.4682, 14.7841,
35.4546

■ 40.1805, 40.5063,
38.9589

■ 45.1009, 44.2904,
39.4300

■ 50.4983, 48.3637,
39.9317

■ 56.3863, 52.7333,
40.4648

Harmonies

Analogous

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



18.5815, 23.4181, 30.8098



19.8431, 23.4181, 36.7320



21.8170, 23.4181, 39.6981

Triad

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



19.8431, 23.4181, 36.7320



26.7811, 23.4181, 26.7915



20.5642, 23.4181, 15.8803

Complementary

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



19.8431, 23.4181, 36.7320



21.7695, 19.1327, 11.9975

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.



22.7053, 23.4181, 15.1666



19.8431, 23.4181, 36.7320



26.3905, 23.4181, 20.8354

Square

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



19.8431, 23.4181, 36.7320



25.8962, 23.4181, 33.3771



24.8617, 23.4181, 16.8260



18.9780, 23.4181, 18.9686

Rectangle

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



19.8431, 23.4181, 36.7320



23.3096, 23.4181, 39.2985



24.8617, 23.4181, 16.8260



21.2389, 23.4181, 15.3787

Sweetspot

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



19.8438, 23.4190, 36.7326



51.7829, 56.5236, 68.5674



19.3945, 28.3473, 18.6189



11.0761, 12.1600, 15.0070



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.8438, 23.4190, 36.7326



32.4852, 39.0150, 66.2050



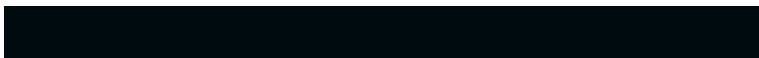
15.5752, 14.8817, 35.3097



6.6638, 7.1934, 8.4439



9.7510, 11.5935, 27.6311



0.2079, 0.2745, 0.5052

Inverse Universe

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



22.8039, 16.5125, 26.7972



38.7406, 25.5669, 44.9513



26.1886, 27.9707, 13.4706



6.8244, 6.7227, 7.9264



13.7201, 6.7926, 13.3087



0.2623, 0.1282, 0.3272

Previews

White Background



This preview shows how the XYZ color 19.8431, 23.4181, 36.7320 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 19.8431, 23.4181, 36.7320 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 19.8431, 23.4181, 36.7320

Background



This preview shows how black text looks on a background with the XYZ color 19.8431, 23.4181, 36.7320.



This preview shows how white text looks on a background with the XYZ color 19.8431, 23.4181,

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

19.8431, 23.4181, 36.7320

Protanopia

22.8511, 23.1549, 33.8368

Deuteranopia

23.7101, 23.3197, 37.4339



Tritanopia

19.2051, 23.3759, 33.6368

Trichromacy



Original Color

19.8431, 23.4181, 36.7320

Protanomaly

21.4653, 23.0279, 34.7660

Deuteranomaly

22.0284, 23.2682, 37.0484

Tritanomaly

19.5501, 23.5248, 34.9628

Monochromacy



Original Color

19.8431, 23.4181, 36.7320

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7215, 21.8773, 27.6094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8431, 23.4181, 36.7320 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(89, 140, 160)` looks like.

```
.text, #text, p{  
    color:rgb(89, 140, 160)  
}
```

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(89, 140, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 140, 160) }
```

Border

The CSS property to change the border of an element to XYZ 19.8431, 23.4181, 36.7320 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(89, 140, 160) }
```


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

```
.border{ border-color:rgb(89, 140, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 140, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 140, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 140, 160);  
box-shadow:4px 4px 4px 4px rgb(89, 140,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8431, 23.4181, 36.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 140, 160) }
```

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

```
.background{ background-color: rgb(89, 140,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor