

Converting Colors

XYZ(23.1346, 35.7104, 20.5063)

Have a look what the booklet for
XYZ(23.1346, 35.7104, 20.5063)
contains.

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Color

**XYZ(23.1602, 35.8430,
20.4496)**

Conversions

Conversions Part 1

Format	Color
Hex	58B46E
RGB	88, 180, 110
RGB Percent	35%, 71%, 43%
CMY	0.6549, 0.2941, 0.5686
CMYK	0.51, 0.00, 0.39, 0.29
HSL	134°, 38%, 53%
HSV	134°, 51%, 71%
XYZ	23.1602, 35.8430, 20.4496
YIQ	144.5120, -32.3620, -41.2740

Conversions

Conversions Part 2

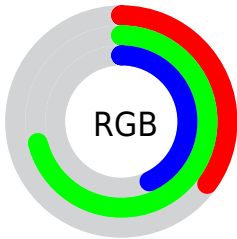
Format	Color
RYB	88, 162, 180
Decimal	5813358
CIELab	66.40, -42.87, 27.53
CIELCh	66, 50.952, 147.290
Yxy	35.8430, 0.2915, 0.4511
Android (android.graphics.Color)	4284003438 (0xFF58B46E)
YUV	144.5120, -17.0144, -49.5610
Hunter-Lab	59.8690, -35.7185, 21.6565

Details

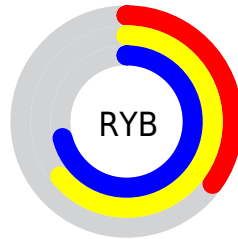
The XYZ color **23.1602, 35.8430, 20.4496** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28.4847, 19.1520, 34.5441**, and the grayscale version is **26.7926, 28.1879, 30.6966**.

A 20% lighter version of the original color is **48.0186, 68.5288, 44.8790**, and **8.7552, 15.4916, 6.9436** is the 20% darker color. If you saturate the color by 10%, you get **20.9732, 34.7962, 16.7514**, and if you desaturate by 10%, it is **25.8850, 37.1557, 24.7763**.

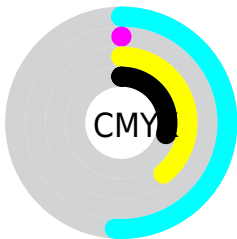
Distribution



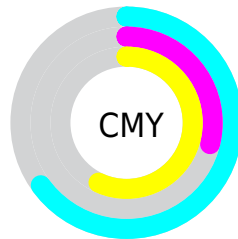
- Red (35%)
- Green (71%)
- Blue (43%)



- Red (35%)
- Yellow (64%)
- Blue (71%)



- Cyan (51%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)




- Cyan (65%)
- Magenta (29%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1602, 35.8430, 20.4496 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 23.1602, 35.8430, 20.4496 by changing the saturation by 10% instead.


 23.1602, 35.8430,
20.4496


 23.1602, 35.8430,
20.4496


261.0667,
328.2738, 267.0231


 14.8332, 24.3130,
12.5350


 48.1210, 68.7897,
45.0385


 8.7879, 15.5659,
6.9822


 65.4854, 90.9751,
62.5499

 4.6591, 9.2175,
3.3727


 86.5931, 117.4811,
84.0973

 2.0814, 4.8833,
1.2879

 111.8093,
148.6921, 110.0992

 0.6791, 2.1790,
0.0519

141.4994,
184.9925, 140.9742

 0.0000, 0.7085,
0.0000

176.0288,

 0.0000, 0.0000,

226.7666, 177.1408

0.0000

215.7628,
274.3989, 219.0176

■ 23.1602, 35.8430,
20.4496

■ 23.1602, 35.8430,
20.4496

■ 20.9732, 34.7962,
16.7514

■ 25.8850, 37.1557,
24.7763

■ 19.2845, 33.9925,
13.6498

■ 29.1780, 38.7466,
29.7562

■ 18.0532, 33.4126,
11.1141

■ 33.0708, 40.6321,
35.4160

■ 17.2305, 33.0320,
9.1097

■ 37.5916, 42.8265,
41.7800

■ 16.7588, 32.8187,
7.7412

■ 42.7669, 45.3429,
48.8711

■ 48.6217, 48.1937,
56.7116

■ 55.1795, 51.3906,
65.3225

■ 62.4630, 54.9448,
74.7240

■ 70.4934, 58.8669,
84.9358

Harmonies

Analogous

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



27.7778, 35.8430, 12.3405



23.1602, 35.8430, 20.4496



21.4207, 35.8430, 37.0753

Triad

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



23.1602, 35.8430, 20.4496



33.3792, 35.8430, 97.7905



48.8293, 35.8430, 22.7667

Complementary

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



23.1602, 35.8430, 20.4496



28.4847, 19.1520, 34.5441

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.



50.9120, 35.8430, 41.0459



23.1602, 35.8430, 20.4496



41.2420, 35.8430, 89.5008

Square

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



23.1602, 35.8430, 20.4496



26.7430, 35.8430, 86.0928



47.9535, 35.8430, 66.3995



42.6208, 35.8430, 13.2850

Rectangle

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



23.1602, 35.8430, 20.4496



21.8984, 35.8430, 52.8846



47.9535, 35.8430, 66.3995



50.0720, 35.8430, 27.8299

Sweetspot

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



23.1611, 35.8445, 20.4504



64.6197, 75.9316, 70.8123



32.2897, 40.6721, 15.3813



13.6003, 16.2337, 14.7890



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.1611, 35.8445, 20.4504



37.7048, 62.9362, 29.8034



26.3024, 37.1010, 36.9924



8.4695, 9.5223, 9.4662



11.7187, 22.9135, 5.5216



0.3918, 0.7302, 0.2954

Inverse Universe

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



28.4847, 19.1520, 34.5441



48.3820, 29.3489, 57.9903



25.2675, 17.8651, 17.6024



8.7614, 8.6113, 10.2420



16.3133, 8.0429, 17.3415



0.5343, 0.2615, 0.6566

Previews

White Background



This preview shows how the XYZ color 23.1602, 35.8430, 20.4496 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 23.1602, 35.8430, 20.4496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

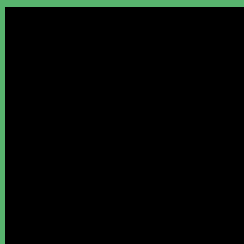
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1602, 35.8430, 20.4496

Background



This preview shows how black text looks on a background with the XYZ color 23.1602, 35.8430, 20.4496.



This preview shows how white text looks on a background with the XYZ color 23.1602, 35.8430,

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

23.1602, 35.8430, 20.4496

Protanopia

32.6483, 35.2149, 17.6468

Deuteranopia

35.9432, 35.3193, 21.4459



Tritanopia

29.2637, 35.6928, 51.2460

Trichromacy



Original Color

23.1602, 35.8430, 20.4496



Protanomaly

27.6962, 34.4970, 18.5634



Deuteranomaly

29.2713, 34.1816, 20.9745



Tritanomaly

26.4532, 35.3934, 37.7851

Monochromacy



Original Color

23.1602, 35.8430, 20.4496



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.7039, 30.4047, 26.3965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1602, 35.8430, 20.4496 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(88, 180, 110)` looks like.

```
.text, #text, p{  
    color:rgb(88, 180, 110)  
}
```

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(88, 180, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 180, 110) }
```

Border

The CSS property to change the border of an element to XYZ 23.1602, 35.8430, 20.4496 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(88, 180, 110) }
```


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

```
.border{ border-color:rgb(88, 180, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 180, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 180, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 180, 110);  
box-shadow:4px 4px 4px 4px rgb(88, 180,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1602, 35.8430, 20.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 180, 110) }
```

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

```
.background{ background-color: rgb(88, 180,  
110) }
```

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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