

Converting Colors

XYZ(23.5132, 20.2901, 36.3968)

Have a look what the booklet for
XYZ(23.5132, 20.2901, 36.3968)
contains.

XYZ(23.6057, 20.3586, 36.4037)	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(23.6057, 20.3586,
36.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	8E72A1
RGB	142, 114, 161
RGB Percent	56%, 45%, 63%
CMY	0.4431, 0.5529, 0.3686
CMYK	0.12, 0.29, 0.00, 0.37
HSL	276°, 20%, 54%
HSV	276°, 29%, 63%
XYZ	23.6057, 20.3586, 36.4037
YIQ	127.7300, 1.6010, 20.5530

Conversions

Conversions Part 2

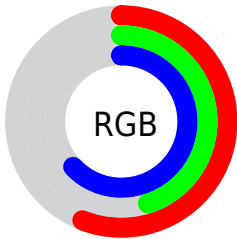
Format	Color
R_{YB}	142, 114, 161
Decimal	9335457
CIE _{Lab}	52.24, 20.15, -21.16
CIE _{LCh}	52, 29.216, 313.605
Yxy	20.3586, 0.2937, 0.2533
Android (android.graphics.Color)	4287525537 (0xFF8E72A1)
YUV	127.7300, 16.4021, 12.5148
Hunter-Lab	45.1205, 14.4250, -16.2514

Details

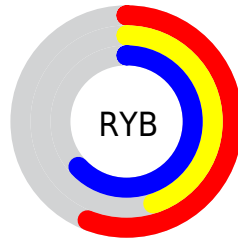
The XYZ color **23.6057, 20.3586, 36.4037** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.4556, 31.6917, 20.6959**, and the grayscale version is **20.3696, 21.4304, 23.3377**.

A 20% lighter version of the original color is **48.7958, 43.9661, 70.8802**, and **9.0229, 7.2247, 15.3869** is the 20% darker color. If you saturate the color by 10%, you get **20.8629, 16.4823, 35.8004**, and if you desaturate by 10%, it is **26.7347, 24.9095, 37.1175**.

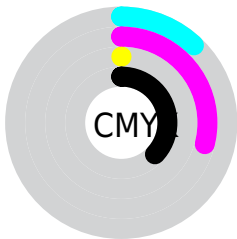
Distribution



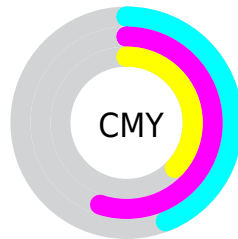
- Red (56%)
- Green (45%)
- Blue (63%)



- Red (56%)
- Yellow (45%)
- Blue (63%)



- Cyan (12%)
- Magenta (29%)
- Yellow (0%)
- Black (37%)



- Cyan (44%)
- Magenta (55%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6057, 20.3586, 36.4037 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 23.6057, 20.3586, 36.4037 by changing the saturation by 10% instead.

■ 23.6057, 20.3586,
36.4037

■ 23.6057, 20.3586,
36.4037

263.2986,
253.8499, 345.8122

■ 15.1645, 12.6560,
24.4540

■ 48.8454, 44.0176,
70.8308

■ 9.0220, 7.1921,
15.4554

■ 66.3746, 60.7427,
94.1452

■ 4.8128, 3.5825,
8.9895

■ 87.6638, 81.2442,
122.0849

■ 2.1715, 1.4429,
4.6376

■ 113.0785,
105.9064, 155.0685

■ 0.7276, 0.2480,
1.9812

142.9840,
135.1136, 193.5145

■ 0.0000, 0.0000,
0.5437

177.7456,

■ 0.0000, 0.0000,

169.2504, 237.8414

0.0000

217.7286,
208.7010, 288.4678

■ 23.6057, 20.3586,
36.4037

■ 23.6057, 20.3586,
36.4037

■ 20.8629, 16.4823,
35.8004

■ 26.7347, 24.9095,
37.1175

■ 18.4865, 13.2440,
35.3006

■ 30.2645, 30.1641,
37.9457

■ 16.4576, 10.6074,
34.8986

■ 34.2113, 36.1528,
38.8936

■ 14.7549, 8.5314,
34.5876

■ 38.5899, 42.9035,
39.9659

■ 13.3543, 6.9695,
34.3600

■ 43.4142, 50.4425,
41.1668

■ 12.2277, 5.8674,
34.2066

■ 48.6974, 58.7951,
42.5005

■ 11.3178, 5.1124,
34.1088

■ 54.4522, 67.9850,
43.9711

■ 11.2481, 5.0555,
34.1015

■ 60.6910, 78.0354,
45.5822

■ 66.1673, 86.4524,
46.9182

Harmonies

Analogous

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



20.7386, 20.3586, 42.4028



23.6057, 20.3586, 36.4037



25.4257, 20.3586, 27.1624

Triad

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



23.6057, 20.3586, 36.4037



21.0238, 20.3586, 9.7991



14.2696, 20.3586, 26.2830

Complementary

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



23.6057, 20.3586, 36.4037



25.4556, 31.6917, 20.6959

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.



14.3290, 20.3586, 17.8251



23.6057, 20.3586, 36.4037



18.0253, 20.3586, 9.6789

Square

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



23.6057, 20.3586, 36.4037



23.8330, 20.3586, 12.6170



15.6396, 20.3586, 12.2306



15.4681, 20.3586, 35.6183

Rectangle

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



23.6057, 20.3586, 36.4037



25.6942, 20.3586, 21.1447



15.6396, 20.3586, 12.2306



14.1472, 20.3586, 23.2218

Sweetspot

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



23.6064, 20.3595, 36.4041



54.2154, 54.0430, 67.9604



21.8408, 23.0866, 37.0236



11.6900, 11.5518, 14.8572



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.



23.6064, 20.3595, 36.4041



39.0228, 31.8379, 64.4751



26.8087, 22.0496, 34.7791



7.0860, 7.0587, 8.8921



9.0303, 4.0618, 27.2378



0.2412, 0.1119, 0.5747

Inverse Universe

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



24.9495, 21.3059, 24.9885



41.9522, 33.8892, 40.1666



22.9500, 30.3737, 21.7675



7.1869, 7.1312, 7.9706



12.5220, 6.3649, 4.6734



0.2862, 0.1430, 0.2197

Previews

White Background



This preview shows how the XYZ color 23.6057, 20.3586, 36.4037 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 23.6057, 20.3586, 36.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

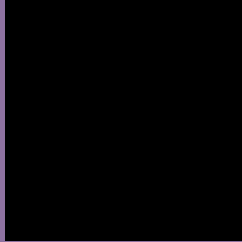
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6057, 20.3586, 36.4037

Background



This preview shows how black text looks on a background with the XYZ color 23.6057, 20.3586, 36.4037.



This preview shows how white text looks on a background with the XYZ color 23.6057, 20.3586,

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

23.6057, 20.3586, 36.4037

Protanopia

20.8329, 20.4378, 39.8927

Deuteranopia

20.8253, 20.3442, 35.6301



Tritanopia

20.9954, 20.3363, 23.5876

Trichromacy



Original Color

23.6057, 20.3586, 36.4037

Protanomaly

21.6764, 20.3605, 38.3848

Deuteranomaly

21.6944, 20.2437, 36.0217

Tritanomaly

21.9336, 20.3689, 27.9749

Monochromacy



Original Color

23.6057, 20.3586, 36.4037

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.4894, 21.0459, 27.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6057, 20.3586, 36.4037 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(142, 114, 161)` looks like.

```
.text, #text, p{  
    color:rgb(142, 114, 161)  
}
```

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(142, 114, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 114, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.6057, 20.3586, 36.4037 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(142, 114, 161) }
```


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

```
.border{ border-color:rgb(142, 114, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 114, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 114, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 114, 161); box-shadow:4px 4px 4px 4px rgb(142, 114, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6057, 20.3586, 36.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 114, 161) }
```

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

```
.background{ background-color: rgb(142,  
114, 161) }
```

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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