

Converting Colors

XYZ(36.0211, 38.9020, 63.9958)

Have a look what the booklet for
XYZ(36.0211, 38.9020, 63.9958)
contains.

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Color

**XYZ(36.0200, 38.9004,
64.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	89ABCE
RGB	137, 171, 206
RGB Percent	54%, 67%, 81%
CMY	0.4627, 0.3294, 0.1922
CMYK	0.33, 0.17, 0.00, 0.19
HSL	210°, 41%, 67%
HSV	210°, 33%, 81%
XYZ	36.0200, 38.9004, 64.0026
YIQ	164.8240, -31.4990, 3.6770

Conversions

Conversions Part 2

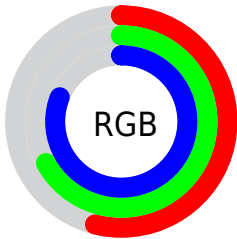
Format	Color
R _Y B	137, 160, 206
Decimal	9022414
CIE _{Lab}	68.68, -3.17, -21.54
CIE _{LCh}	69, 21.769, 261.639
Yxy	38.9004, 0.2593, 0.2800
Android (android.graphics.Color)	4287212494 (0xFF89ABCE)
YUV	164.8240, 20.2998, -24.4016
Hunter-Lab	62.3702, -6.0606, -17.1827

Details

The XYZ color **36.0200, 38.9004, 64.0026** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.7222, 44.4336, 29.8875**, and the grayscale version is **35.5975, 37.4514, 40.7845**.

A 20% lighter version of the original color is **66.9846, 72.8192, 105.1328**, and **15.9205, 17.3455, 32.2147** is the 20% darker color. If you saturate the color by 10%, you get **31.0639, 33.5312, 63.2281**, and if you desaturate by 10%, it is **41.7793, 44.9171, 64.8611**.

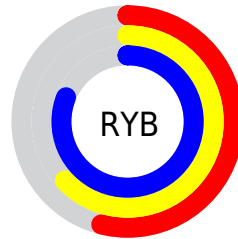
Distribution



Red (54%)

Green (67%)

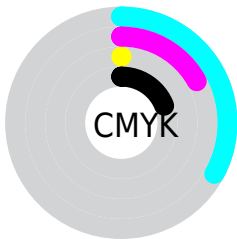
Blue (81%)



Red (54%)

Yellow (63%)

Blue (81%)

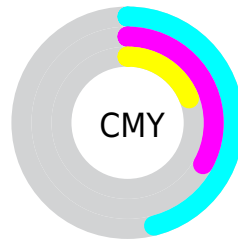


Cyan (33%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (46%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0200, 38.9004, 64.0026 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 36.0200, 38.9004, 64.0026 by changing the saturation by 10% instead.

■ 36.0200, 38.9004,
64.0026

■ 36.0200, 38.9004,
64.0026

320.4777,
341.4668, 457.4067

■ 24.6198, 26.6823,
46.2066

■ 68.3866, 73.4861,
112.2142

■ 15.9213, 17.3347,
32.0590

■ 90.0837, 96.6225,
143.4668

■ 9.5589, 10.4734,
21.1414

■ 115.9439,
124.1671, 180.0421

■ 5.1675, 5.7140,
13.0351

146.3325,
156.5043, 222.3585

■ 2.3817, 2.6719,
7.3217

181.6148,
194.0185, 270.8347

■ 0.8360, 0.9630,
3.5826

222.1562,

■ 0.0000, 0.0000,

237.0940, 325.8891

1.3993

268.3220,
286.1153, 387.9402

■ 0.0000, 0.0000,
0.1412

■ 0.0000, 0.0000,
0.0000

■ 36.0200, 38.9004,
64.0026

■ 36.0200, 38.9004,
64.0026

■ 31.0639, 33.5312,
63.2281

■ 41.7793, 44.9171,
64.8611

■ 26.8670, 28.7787,
62.5320

■ 48.3754, 51.6012,
65.8036

■ 23.3862, 24.6162,
61.9120

■ 55.8445, 58.9771,
66.8336

■ 20.5722, 21.0125,
61.3648

■ 64.2194, 67.0665,
67.9536

■ 18.3686, 17.9326,
60.8864

■ 73.5311, 75.8902,
69.1660

■ 16.7079, 15.3354,
60.4726

■ 81.7174, 84.3896,
70.3751

■ 15.8442, 13.8632,
60.2340

■ 84.7754, 90.5056,
71.3944

■ 88.0117, 96.9782,
72.4732

■ 88.1407, 97.2363,
72.5162

Harmonies

Analogous

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



33.0180, 38.9004, 59.0170



36.0200, 38.9004, 64.0026



39.4673, 38.9004, 62.5211

Triad

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



36.0200, 38.9004, 64.0026



43.4703, 38.9004, 35.7463



32.0250, 38.9004, 31.6519

Complementary

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



36.0200, 38.9004, 64.0026



44.7222, 44.4336, 29.8875

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.



34.5874, 38.9004, 27.0726



36.0200, 38.9004, 64.0026



41.2333, 38.9004, 29.1688

Square

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



36.0200, 38.9004, 64.0026



43.9128, 38.9004, 45.1711



37.9440, 38.9004, 26.2400



30.8070, 38.9004, 39.6602

Rectangle

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



36.0200, 38.9004, 64.0026



41.5458, 38.9004, 58.1522



37.9440, 38.9004, 26.2400



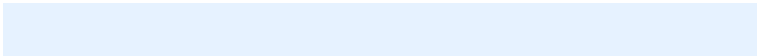
32.7499, 38.9004, 29.7154

Sweetspot

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



36.0212, 38.9019, 64.0035



82.2946, 87.5037, 107.1603



39.7872, 52.4212, 46.8007



17.2562, 18.3736, 22.8869



0.0000, 0.0000, 0.0000



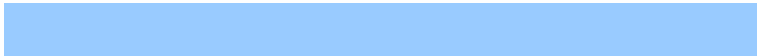
20.3446, 21.4041, 23.3091

Same Dimension

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



36.0212, 38.9019, 64.0035



52.6049, 56.8283, 102.8041



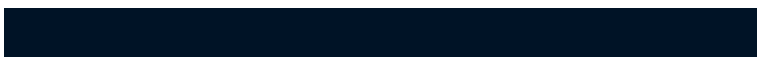
30.4038, 27.6671, 62.1310



11.0506, 11.7416, 14.2543



9.8530, 8.7299, 37.1220



0.5842, 0.6022, 1.9404

Inverse Universe

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



41.7510, 33.9545, 42.8830



63.4420, 48.3668, 62.6560



52.0410, 59.0713, 32.3271



11.4389, 11.3043, 12.8459



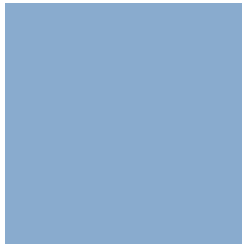
17.1842, 8.6843, 8.6888



0.9248, 0.4633, 0.6500

Previews

White Background



This preview shows how the XYZ color 36.0200, 38.9004, 64.0026 looks on a white background.

Color Contrast Check

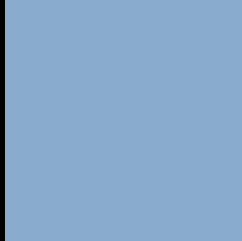
Large Text (above 18pt) WCAG AA × Fail

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 36.0200, 38.9004, 64.0026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

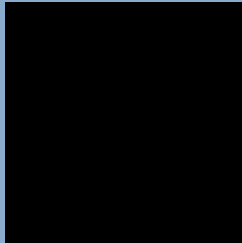
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

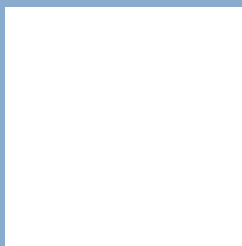
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0200, 38.9004, 64.0026

Background



This preview shows how black text looks on a background with the XYZ color 36.0200, 38.9004, 64.0026.



This preview shows how white text looks on a background with the XYZ color 36.0200, 38.9004,

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

36.0200, 38.9004, 64.0026

Protanopia

38.5950, 38.9076, 61.3529

Deuteranopia

39.7649, 38.8915, 65.0855



Tritanopia

33.8860, 38.8895, 53.2974

Trichromacy



Original Color

36.0200, 38.9004, 64.0026

Protanomaly

37.5446, 38.8964, 62.0288

Deuteranomaly

38.4076, 39.0125, 64.5373

Tritanomaly

34.6254, 38.8956, 57.3124

Monochromacy



Original Color

36.0200, 38.9004, 64.0026

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.5745, 37.9013, 48.6207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0200, 38.9004, 64.0026 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(137, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(137, 171, 206)  
}
```

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(137, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.0200, 38.9004, 64.0026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

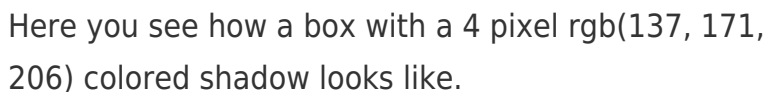
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 171, 206) }
```


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

```
.border{ border-color:rgb(137, 171, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 171, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 171, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 171, 206); box-shadow:4px 4px 4px 4px rgb(137, 171, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0200, 38.9004, 64.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 171, 206) }
```

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

```
.background{ background-color: rgb(137,  
171, 206) }
```

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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