

Converting Colors

XYZ(36.5583, 41.3038, 64.4390)

Have a look what the booklet for
XYZ(36.5583, 41.3038, 64.4390)
contains.

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Color

**XYZ(36.4210, 41.1223,
64.4103)**

Conversions

Conversions Part 1

Format	Color
Hex	83B2CE
RGB	131, 178, 206
RGB Percent	51%, 70%, 81%
CMY	0.4863, 0.3019, 0.1922
CMYK	0.36, 0.14, 0.00, 0.19
HSL	202°, 43%, 66%
HSV	202°, 36%, 81%
XYZ	36.4210, 41.1223, 64.4103
YIQ	167.1390, -37.0000, -1.2560

Conversions

Conversions Part 2

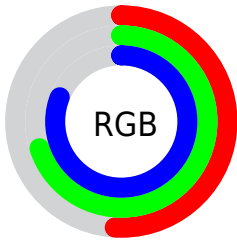
Format	Color
R_{YB}	131, 160, 206
Decimal	8630990
CIE _{Lab}	70.26, -8.65, -19.16
CIE _{LCh}	70, 21.026, 245.711
Yxy	41.1223, 0.2566, 0.2897
Android (android.graphics.Color)	4286821070 (0xFF83B2CE)
YUV	167.1390, 19.1585, -31.6939
Hunter-Lab	64.1267, -10.8419, -14.6636

Details

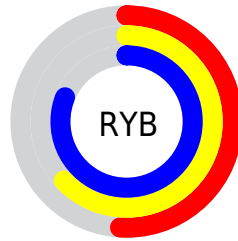
The XYZ color **36.4210, 41.1223, 64.4103** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **41.9491, 39.5573, 26.8982**, and the grayscale version is **36.7218, 38.6342, 42.0726**.

A 20% lighter version of the original color is **67.7225, 76.5047, 105.8053**, and **16.1430, 18.5539, 32.4362** is the 20% darker color. If you saturate the color by 10%, you get **32.0548, 36.6641, 63.7806**, and if you desaturate by 10%, it is **41.5099, 46.0823, 65.1002**.

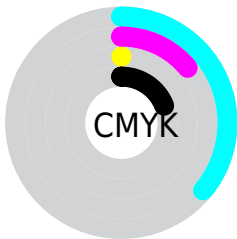
Distribution



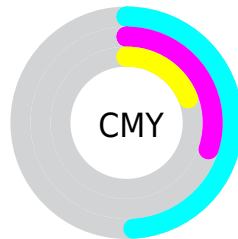
- Red (51%)
- Green (70%)
- Blue (81%)



- Red (51%)
- Yellow (63%)
- Blue (81%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4210, 41.1223, 64.4103 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 36.4210, 41.1223, 64.4103 by changing the saturation by 10% instead.

■ 36.4210, 41.1223,
64.4103

■ 36.4210, 41.1223,
64.4103

322.1962,
350.8315, 458.9179

■ 24.9311, 28.4147,
46.5348

■ 69.0010, 76.8695,
112.8068

■ 16.1542, 18.6385,
32.3163

■ 90.8219, 100.6779,
144.1648

■ 9.7249, 11.4093,
21.3364

■ 116.8171,
128.9553, 180.8540

■ 5.2778, 6.3429,
13.1765

147.3520,
162.0861, 223.2931

■ 2.4476, 3.0547,
7.4180

182.7920,
200.4547, 271.9004

■ 0.8689, 1.1603,
3.6425

223.5025,

■ 0.0000, 0.0290,

244.4456, 327.0947

1.4313

269.8488,
294.4430, 389.2943

■ 0.0000, 0.0000,
0.1660

■ 0.0000, 0.0000,
0.0000

■ 36.4210, 41.1223,
64.4103

■ 36.4210, 41.1223,
64.4103

■ 32.0548, 36.6641,
63.7806

■ 41.5099, 46.0823,
65.1002

■ 28.3683, 32.6806,
63.2060

■ 47.3535, 51.5598,
65.8495

■ 25.3194, 29.1491,
62.6851

■ 53.9869, 57.5758,
66.6610

■ 22.8596, 26.0422,
62.2150

■ 61.4412, 64.1483,
67.5368

■ 20.9324, 23.3286,
61.7928

■ 69.7461, 71.2944,
68.4784

■ 19.4659, 20.9690,
61.4147

■ 78.9297, 79.0305,
69.4876

■ 19.0039, 20.1826,
61.2872

■ 81.1910, 83.3369,
70.1996

■ 83.4014, 87.7576,
70.9364

■ 85.7076, 92.3700,
71.7051

Harmonies

Analogous

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



33.9450, 41.1223, 56.7993



36.4210, 41.1223, 64.4103



39.7491, 41.1223, 66.4535

Triad

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



36.4210, 41.1223, 64.4103



46.0615, 41.1223, 42.9119



35.3415, 41.1223, 31.0582

Complementary

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



36.4210, 41.1223, 64.4103



41.9491, 39.5573, 26.8982

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.



38.4294, 41.1223, 28.4130



36.4210, 41.1223, 64.4103



44.7204, 41.1223, 34.5804

Square

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



36.4210, 41.1223, 64.4103



45.4462, 41.1223, 53.0495



41.8769, 41.1223, 29.6009



33.3479, 41.1223, 37.4094

Rectangle

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



36.4210, 41.1223, 64.4103



42.0333, 41.1223, 64.1568



41.8769, 41.1223, 29.6009



36.2789, 41.1223, 29.7523

Sweetspot

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



36.4223, 41.1239, 64.4113



82.2227, 88.5627, 107.3684



37.6470, 51.4546, 40.5224



17.2849, 18.6708, 22.9428



0.0000, 0.0000, 0.0000



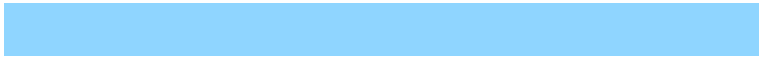
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4223, 41.1239, 64.4113



53.1661, 60.6878, 103.5195



30.0265, 28.3324, 62.2793



11.1776, 11.9957, 14.2967



11.7976, 12.6191, 37.7702



0.6799, 0.7936, 1.9723

Inverse Universe

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



41.6068, 32.5699, 46.2149



63.0572, 45.6548, 68.5156



49.2911, 54.2412, 29.3455



11.5030, 11.3299, 13.1835



18.1658, 9.0769, 13.8575



0.9731, 0.4827, 0.9044

Previews

White Background



This preview shows how the XYZ color 36.4210, 41.1223, 64.4103 looks on a white background.

Color Contrast Check

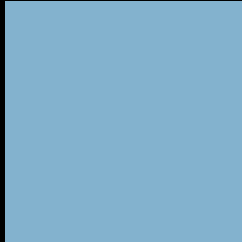
Large Text (above 18pt) WCAG AA × Fail

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 36.4210, 41.1223, 64.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

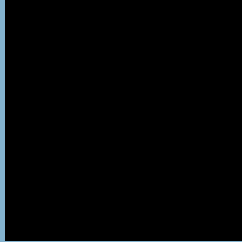
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4210, 41.1223, 64.4103

Background



This preview shows how black text looks on a background with the XYZ color 36.4210, 41.1223, 64.4103.



This preview shows how white text looks on a background with the XYZ color 36.4210, 41.1223,

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

36.4210, 41.1223, 64.4103

Protanopia

40.3171, 40.9189, 60.4168

Deuteranopia

41.7500, 40.9943, 65.3867



Tritanopia

34.9609, 41.1268, 57.1346

Trichromacy



Original Color

36.4210, 41.1223, 64.4103

Protanomaly

38.7411, 40.9237, 61.7343

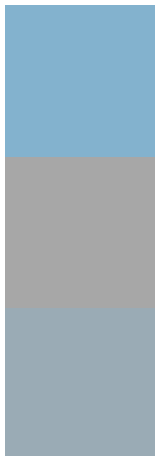
Deuteranomaly

39.5326, 40.9786, 64.8576

Tritanomaly

35.3664, 40.9845, 59.4729

Monochromacy



Original Color

36.4210, 41.1223, 64.4103

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.2298, 39.3320, 49.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4210, 41.1223, 64.4103 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(131, 178, 206)` looks like.

```
.text, #text, p{  
    color:rgb(131, 178, 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(131, 178, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 178, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.4210, 41.1223, 64.4103 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(131, 178, 206) }
```


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

```
.border{ border-color:rgb(131, 178, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 178, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 178, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 178, 206);  
box-shadow:4px 4px 4px 4px rgb(131, 178,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4210, 41.1223, 64.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 178, 206) }
```

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

```
.background{ background-color: rgb(131,  
178, 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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