

Converting Colors

XYZ(35.9894, 40.5564, 64.5550)

Have a look what the booklet for
XYZ(35.9894, 40.5564, 64.5550)
contains.

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Color

**XYZ(35.9160, 40.5676,
64.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	81B1CE
RGB	129, 177, 206
RGB Percent	51%, 69%, 81%
CMY	0.4941, 0.3059, 0.1922
CMYK	0.37, 0.14, 0.00, 0.19
HSL	203°, 44%, 66%
HSV	203°, 37%, 81%
XYZ	35.9160, 40.5676, 64.3299
YIQ	165.9540, -37.9170, -1.1570

Conversions

Conversions Part 2

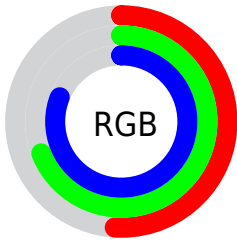
Format	Color
R_{YB}	129, 159, 206
Decimal	8499662
CIE _{Lab}	69.87, -8.66, -19.77
CIE _{LCh}	70, 21.579, 246.352
Yxy	40.5676, 0.2551, 0.2881
Android (android.graphics.Color)	4286689742 (0xFF81B1CE)
YUV	165.9540, 19.7427, -32.4087
Hunter-Lab	63.6927, -10.8070, -15.2983

Details

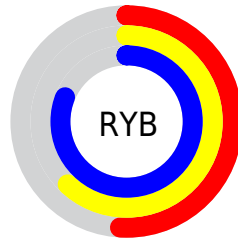
The XYZ color **35.9160, 40.5676, 64.3299** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.6438, 39.1614, 26.1342**, and the grayscale version is **36.1451, 38.0275, 41.4119**.

A 20% lighter version of the original color is **66.9561, 75.6882, 105.6881**, and **15.8556, 18.2188, 32.3867** is the 20% darker color. If you saturate the color by 10%, you get **31.6078, 36.1369, 63.7025**, and if you desaturate by 10%, it is **40.9447, 45.5009, 65.0178**.

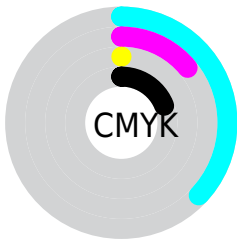
Distribution



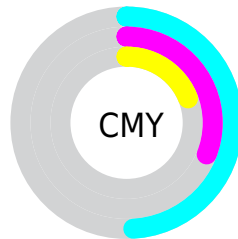
- Red (51%)
- Green (69%)
- Blue (81%)



- Red (51%)
- Yellow (62%)
- Blue (81%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9160, 40.5676, 64.3299 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 35.9160, 40.5676, 64.3299 by changing the saturation by 10% instead.

■ 35.9160, 40.5676,
64.3299

■ 35.9160, 40.5676,
64.3299

320.0309,
348.5102, 458.6201

■ 24.5391, 27.9814,
46.4700

■ 68.2271, 76.0271,
112.6899

■ 15.8609, 18.3116,
32.2656

■ 89.8921, 99.6691,
144.0272

■ 9.5160, 11.1739,
21.2979

■ 115.7171,
127.7652, 180.6940

■ 5.1391, 6.1840,
13.1486

146.0676,
160.6997, 223.1089

■ 2.3647, 2.9573,
7.3990

181.3088,
198.8570, 271.6904

■ 0.8275, 1.1095,
3.6307

221.8062,

■ 0.0000, 0.0000,

242.6217, 326.8571

1.4250

267.9251,
292.3779, 389.0275

■ 0.0000, 0.0000,
0.1611

■ 0.0000, 0.0000,
0.0000

■ 35.9160, 40.5676,
64.3299

■ 35.9160, 40.5676,
64.3299

■ 31.6078, 36.1369,
63.7025

■ 40.9447, 45.5009,
65.0178

■ 27.9767, 32.1815,
63.1304

■ 46.7263, 50.9529,
65.7654

■ 24.9802, 28.6784,
62.6121

■ 53.2960, 56.9446,
66.5757

■ 22.5691, 25.5998,
62.1450

■ 60.6853, 63.4943,
67.4504

■ 20.6857, 22.9137,
61.7258

■ 68.9240, 70.6192,
68.3914

■ 19.2514, 20.5773,
61.3504

■ 78.0404, 78.3358,
69.4004

■ 18.9146, 20.0041,
61.2575

■ 81.0437, 83.0422,
70.1505

■ 83.2674, 87.4897,
70.8918

■ 85.5887, 92.1322,
71.6655

Harmonies

Analogous

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



33.3780, 40.5676, 56.6365



35.9160, 40.5676, 64.3299



39.3092, 40.5676, 66.2808

Triad

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



35.9160, 40.5676, 64.3299



45.6564, 40.5676, 42.0688



34.6976, 40.5676, 30.3707

Complementary

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



35.9160, 40.5676, 64.3299



41.6438, 39.1614, 26.1342

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.



37.8170, 40.5676, 27.6225



35.9160, 40.5676, 64.3299



44.2486, 40.5676, 33.6839

Square

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



35.9160, 40.5676, 64.3299



45.0714, 40.5676, 52.3800



41.3271, 40.5676, 28.7365



32.7049, 40.5676, 36.8682

Rectangle

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



35.9160, 40.5676, 64.3299



41.6298, 40.5676, 63.8364



41.3271, 40.5676, 28.7365



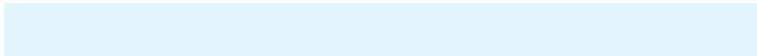
35.6417, 40.5676, 29.0266

Sweetspot

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



35.9173, 40.5692, 64.3308



82.1948, 88.5069, 107.3591



37.2314, 51.2530, 39.9346



17.2783, 18.6575, 22.9405



0.0000, 0.0000, 0.0000



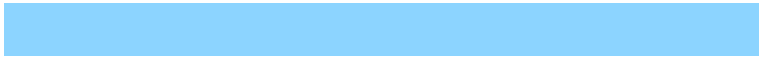
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9173, 40.5692, 64.3308



52.3969, 59.7961, 103.3879



29.4663, 27.6672, 62.1805



11.1745, 11.9894, 14.2956



11.7428, 12.5096, 37.7520



0.6773, 0.7884, 1.9714

Inverse Universe

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



41.2408, 31.9979, 45.5991



62.5111, 44.8319, 67.5032



49.0968, 54.0674, 28.6185



11.5014, 11.3293, 13.1751



18.1381, 9.0658, 13.7120



0.9718, 0.4821, 0.8975

Previews

White Background



This preview shows how the XYZ color 35.9160, 40.5676, 64.3299 looks on a white background.

Color Contrast Check

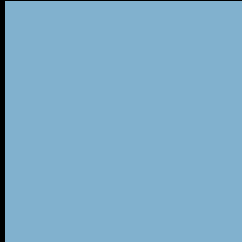
Large Text (above 18pt) WCAG AA × Fail

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 35.9160, 40.5676, 64.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

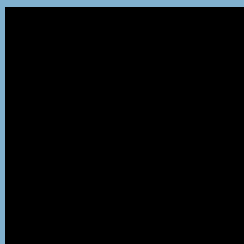
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

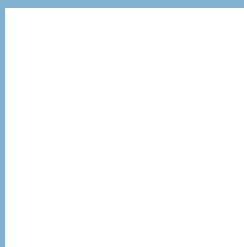
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9160, 40.5676, 64.3299

Background



This preview shows how black text looks on a background with the XYZ color 35.9160, 40.5676, 64.3299.



This preview shows how white text looks on a background with the XYZ color 35.9160, 40.5676,

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

35.9160, 40.5676, 64.3299

Protanopia

39.9231, 40.4386, 60.3448

Deuteranopia

41.3523, 40.5163, 65.3154



Tritanopia

34.4619, 40.5709, 57.0536

Trichromacy



Original Color

35.9160, 40.5676, 64.3299

Protanomaly

38.1757, 40.3486, 61.6531

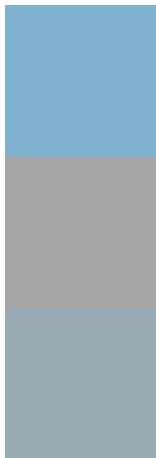
Deuteranomaly

39.1518, 40.5008, 64.7854

Tritanomaly

34.8658, 40.4300, 59.3922

Monochromacy



Original Color

35.9160, 40.5676, 64.3299

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.8521, 38.8580, 49.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9160, 40.5676, 64.3299 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(129, 177, 206)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 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(129, 177, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 206) }
```

Border

The CSS property to change the border of an element to XYZ 35.9160, 40.5676, 64.3299 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(129, 177, 206) }
```


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

```
.border{ border-color:rgb(129, 177, 206) }
```

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

Here you see how a box with a 4 pixel rgb(129, 177, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 206);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9160, 40.5676, 64.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 206) }
```

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

```
.background{ background-color: rgb(129,  
177, 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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