

Converting Colors

XYZ(35.9639, 36.0832, 78.6032)

Have a look what the booklet for
XYZ(35.9639, 36.0832, 78.6032)
contains.

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Color

**XYZ(35.9772, 36.1092,
78.4724)**

Conversions

Conversions Part 1

Format	Color
Hex	81A2E4
RGB	129, 162, 228
RGB Percent	51%, 64%, 89%
CMY	0.4941, 0.3647, 0.1059
CMYK	0.43, 0.29, 0.00, 0.11
HSL	220°, 65%, 70%
HSV	220°, 43%, 89%
XYZ	35.9772, 36.1092, 78.4724
YIQ	159.6570, -40.8540, 13.5300

Conversions

Conversions Part 2

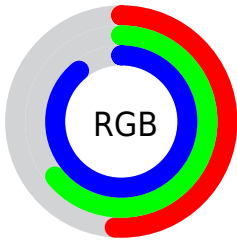
Format	Color
RYB	129, 154, 228
Decimal	8495844
CIELab	66.60, 5.64, -36.90
CIELCh	67, 37.324, 278.689
Yxy	36.1092, 0.2390, 0.2398
Android (android.graphics.Color)	4286685924 (0xFF81A2E4)
YUV	159.6570, 33.6931, -26.8862
Hunter-Lab	60.0909, 1.7111, -35.3628

Details

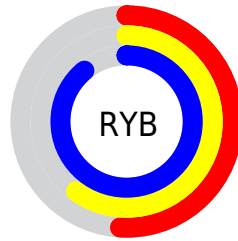
The XYZ color **35.9772, 36.1092, 78.4724** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.4738, 57.1108, 28.8702**, and the grayscale version is **33.1204, 34.8452, 37.9465**.

A 20% lighter version of the original color is **62.8704, 67.1600, 104.2573**, and **15.8785, 15.7639, 41.2356** is the 20% darker color. If you saturate the color by 10%, you get **30.3749, 29.4842, 77.4896**, and if you desaturate by 10%, it is **42.6783, 43.7825, 79.6010**.

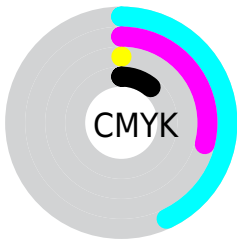
Distribution



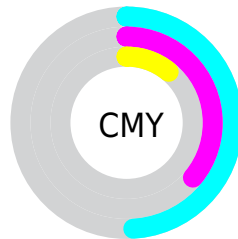
- Red (51%)
- Green (64%)
- Blue (89%)



- Red (51%)
- Yellow (60%)
- Blue (89%)



- Cyan (43%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9772, 36.1092, 78.4724 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 35.9772, 36.1092, 78.4724 by changing the saturation by 10% instead.

■ 35.9772, 36.1092,
78.4724

■ 35.9772, 36.1092,
78.4724

320.2939,
329.4376, 509.3400

■ 24.5866, 24.5185,
57.9434

■ 68.3210, 69.2006,
133.0078

■ 15.8964, 15.7187,
41.3487

■ 90.0049, 91.4701,
167.8512

■ 9.5413, 9.3253,
28.2699

■ 115.8506,
118.0680, 208.3031

■ 5.1558, 4.9540,
18.2884

146.2235,
149.3787, 254.7822

■ 2.3747, 2.2203,
10.9857

181.4889,
185.7867, 307.7069

■ 0.8325, 0.7310,
5.9432

222.0122,

■ 0.0000, 0.0000,

227.6762, 367.4957

2.7423

268.1587,
275.4317, 434.5672

■ 0.0000, 0.0000,
0.9646

■ 0.0000, 0.0000,
0.0000

■ 35.9772, 36.1092,
78.4724

■ 35.9772, 36.1092,
78.4724

■ 30.3749, 29.4842,
77.4896

■ 42.6783, 43.7825,
79.6010

■ 25.8042, 23.8537,
76.6437

■ 50.5326, 52.5463,
80.8786

■ 22.1957, 19.1647,
75.9288

■ 59.5951, 62.4451,
82.3116

■ 19.4691, 15.3564,
75.3375

■ 69.9162, 73.5196,
83.9052

■ 17.5287, 12.3589,
74.8611

■ 81.5433, 85.8084,
85.6644

■ 16.5881, 10.7702,
74.6041

■ 90.4335, 97.2410,
87.4025

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



30.5457, 36.1092, 75.7170



35.9772, 36.1092, 78.4724



41.5192, 36.1092, 68.7163

Triad

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



35.9772, 36.1092, 78.4724



43.4535, 36.1092, 22.9870



25.2155, 36.1092, 29.1188

Complementary

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



35.9772, 36.1092, 78.4724



55.4738, 57.1108, 28.8702

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.



28.0064, 36.1092, 19.7881



35.9772, 36.1092, 78.4724



38.3946, 36.1092, 16.9781

Square

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



35.9772, 36.1092, 78.4724



46.1338, 36.1092, 34.8295



32.7159, 36.1092, 15.9929



24.7188, 36.1092, 44.1738

Rectangle

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



35.9772, 36.1092, 78.4724



44.3925, 36.1092, 57.6678



32.7159, 36.1092, 15.9929



25.9006, 36.1092, 25.3413

Sweetspot

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



35.9785, 36.1105, 78.4733



77.2388, 80.9470, 106.1612



46.6482, 64.0951, 61.5440



15.9449, 16.6894, 22.6309



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.



35.9785, 36.1105, 78.4733



39.8781, 38.8775, 100.0100



33.6207, 27.3688, 76.9102



13.9734, 14.6681, 18.2391



9.6759, 6.4139, 43.1112



0.7980, 0.6399, 3.2134

Inverse Universe

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



46.3679, 34.8046, 38.4577



55.1868, 38.0527, 40.8013



58.7143, 70.9955, 31.3794



14.5741, 14.4468, 15.9579



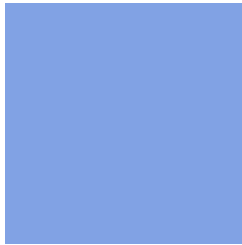
19.2775, 9.8452, 5.0901



1.4664, 0.7443, 0.5967

Previews

White Background



This preview shows how the XYZ color 35.9772, 36.1092, 78.4724 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 35.9772, 36.1092, 78.4724 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 35.9772, 36.1092, 78.4724

Background



This preview shows how black text looks on a background with the XYZ color 35.9772, 36.1092, 78.4724.



This preview shows how white text looks on a background with the XYZ color 35.9772, 36.1092,

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

35.9772, 36.1092, 78.4724

Protanopia

37.1101, 35.9500, 76.9346

Deuteranopia

36.8909, 36.0614, 78.4150



Tritanopia

30.3626, 35.9921, 50.6943

Trichromacy



Original Color

35.9772, 36.1092, 78.4724

Protanomaly

36.7525, 36.0060, 77.6858

Deuteranomaly

36.5800, 36.1595, 78.4503

Tritanomaly

32.1292, 35.8725, 59.8743

Monochromacy



Original Color

35.9772, 36.1092, 78.4724

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.8963, 35.3821, 50.9418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9772, 36.1092, 78.4724 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, 162, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 228)  
}
```

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, 162, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 228) }
```

Border

The CSS property to change the border of an element to XYZ 35.9772, 36.1092, 78.4724 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, 162, 228) }
```


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

```
.border{ border-color:rgb(129, 162, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 162, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 162, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 162, 228); box-shadow:4px 4px 4px 4px rgb(129, 162, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9772, 36.1092, 78.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 228) }
```

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

```
.background{ background-color: rgb(129,  
162, 228) }
```

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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