

Converting Colors

XYZ(22.1314, 18.2270, 78.6968)

Have a look what the booklet for
XYZ(22.1314, 18.2270, 78.6968)
contains.

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Color

**XYZ(22.1134, 18.1557,
78.6828)**

Conversions

Conversions Part 1

Format	Color
Hex	3C6FE8
RGB	60, 111, 232
RGB Percent	24%, 44%, 91%
CMY	0.7647, 0.5647, 0.0902
CMYK	0.74, 0.52, 0.00, 0.09
HSL	222°, 79%, 57%
HSV	222°, 74%, 91%
XYZ	22.1134, 18.1557, 78.6828
YIQ	109.5450, -69.2370, 26.8190

Conversions

Conversions Part 2

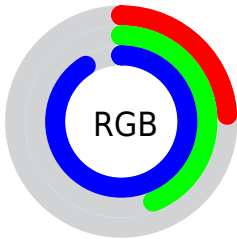
Format	Color
R _{YB}	60, 99, 232
Decimal	3960808
CIE Lab	49.68, 24.40, -66.23
CIE LCh	50, 70.577, 290.225
Yxy	18.1557, 0.1859, 0.1526
Android (android.graphics.Color)	4282150888 (0xFF3C6FE8)
YUV	109.5450, 60.3703, -43.4510
Hunter-Lab	42.6095, 18.0710, -79.6584

Details

The XYZ color **22.1134, 18.1557, 78.6828** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **50.6214, 50.5354, 11.3630**, and the grayscale version is **14.5396, 15.2968, 16.6582**.

A 20% lighter version of the original color is **40.0236, 37.7278, 99.7805**, and **9.5713, 6.7619, 41.3582** is the 20% darker color. If you saturate the color by 10%, you get **19.3851, 14.3426, 78.0910**, and if you desaturate by 10%, it is **25.7827, 22.9371, 79.4128**.

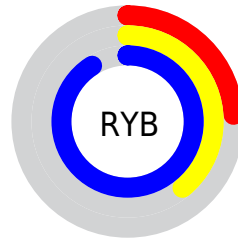
Distribution



Red (24%)

Green (44%)

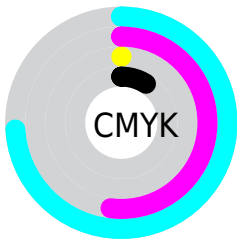
Blue (91%)



Red (24%)

Yellow (39%)

Blue (91%)

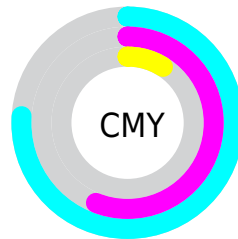


Cyan (74%)

Magenta (52%)

Yellow (0%)

Black (9%)



Cyan (76%)

Magenta (56%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1134, 18.1557, 78.6828 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 22.1134, 18.1557, 78.6828 by changing the saturation by 10% instead.

■ 22.1134, 18.1557,
78.6828

■ 22.1134, 18.1557,
78.6828

255.7591,
241.7472, 510.0718

■ 14.0573, 11.0618,
58.1153

■ 46.4108, 40.3025,
133.3068

■ 8.2425, 6.1084,
41.4860

■ 63.3828, 56.1241,
168.2004

■ 4.3036, 2.9111,
28.3765

■ 84.0576, 75.6239,
208.7064

■ 1.8753, 1.0855,
18.3681

■ 108.8004, 99.1860,
255.2434

■ 0.5624, 0.0000,
11.0424

137.9766,
127.1951, 308.2299

■ 0.0000, 0.0000,
5.9809

171.9515,

■ 0.0000, 0.0000,

160.0353, 368.0844

2.7648

211.0906,
198.0913, 435.2256

■ 0.0000, 0.0000,
0.9759

■ 0.0000, 0.0000,
0.0000

■ 22.1134, 18.1557,
78.6828

■ 22.1134, 18.1557,
78.6828

■ 19.3851, 14.3426,
78.0910

■ 25.7827, 22.9371,
79.4128

■ 17.4905, 11.4160,
77.6260

■ 30.4781, 28.7548,
80.2882

■ 16.6801, 10.0553,
77.4061

■ 36.2773, 35.6716,
81.3176

■ 43.2492, 43.7444,
82.5084

■ 51.4571, 53.0261,
83.8673

■ 60.9595, 63.5657,
85.4009

■ 71.8108, 75.4098,
87.1151

■ 84.0627, 88.6023,
89.0157

■ 91.5656, 98.6062,
90.5512

Harmonies

Analogous

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



15.1568, 18.1557, 83.1402



22.1134, 18.1557, 78.6828



29.1965, 18.1557, 54.0949

Triad

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



22.1134, 18.1557, 78.6828



26.8996, 18.1557, 2.7961



7.4071, 18.1557, 14.1341

Complementary

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



22.1134, 18.1557, 78.6828



50.6214, 50.5354, 11.3630

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.



9.1169, 18.1557, 4.2976



22.1134, 18.1557, 78.6828



19.5415, 18.1557, 1.1355

Square

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



22.1134, 18.1557, 78.6828



32.4193, 18.1557, 9.5464



13.1685, 18.1557, 1.4152



7.7587, 18.1557, 35.4962

Rectangle

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



22.1134, 18.1557, 78.6828



32.4721, 18.1557, 35.0946



13.1685, 18.1557, 1.4152



7.7383, 18.1557, 9.7153

Sweetspot

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



22.1143, 18.1562, 78.6833



66.0126, 68.2204, 104.2964



39.0005, 61.9864, 53.3053



13.4837, 13.8800, 22.2184



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.



22.1143, 18.1562, 78.6833



22.6524, 15.7118, 96.4465



20.8404, 11.4607, 77.4581



13.9293, 14.5800, 18.2244



9.3556, 5.7732, 43.0044



0.7701, 0.5840, 3.2041

Inverse Universe

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



37.7647, 21.5367, 17.2055



43.7371, 22.9251, 13.0254



52.8569, 69.9918, 15.0007



14.5519, 14.4380, 15.8408



19.1158, 9.7805, 4.2386



1.4523, 0.7386, 0.5224

Previews

White Background



This preview shows how the XYZ color 22.1134, 18.1557, 78.6828 looks on a white background.

Color Contrast Check

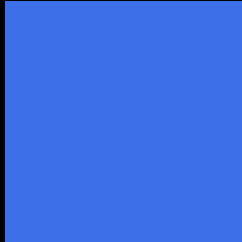
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1134, 18.1557, 78.6828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

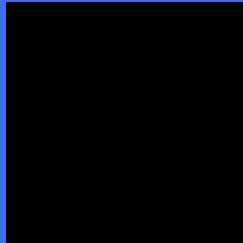
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1134, 18.1557, 78.6828

Background



This preview shows how black text looks on a background with the XYZ color 22.1134, 18.1557, 78.6828.



This preview shows how white text looks on a background with the XYZ color 22.1134, 18.1557,

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

22.1134, 18.1557, 78.6828

Protanopia

21.4840, 18.1258, 80.2082

Deuteranopia

18.2251, 18.0364, 62.8424



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

22.1134, 18.1557, 78.6828

Protanomaly

21.5843, 18.0294, 79.4332

Deuteranomaly

19.2166, 17.9029, 68.0884

Tritanomaly

14.9567, 17.3536, 42.0964

Monochromacy



Original Color

22.1134, 18.1557, 78.6828

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.8223, 15.7603, 32.7800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1134, 18.1557, 78.6828 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(60, 111, 232)` looks like.

```
.text, #text, p{  
    color:rgb(60, 111, 232)  
}
```

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(60, 111, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 111, 232) }
```

Border

The CSS property to change the border of an element to XYZ 22.1134, 18.1557, 78.6828 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(60, 111, 232) }
```


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

```
.border{ border-color:rgb(60, 111, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 111, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 111, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 111, 232);  
box-shadow:4px 4px 4px 4px rgb(60, 111,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1134, 18.1557, 78.6828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 111, 232) }
```

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

```
.background{ background-color: rgb(60, 111,  
232) }
```

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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