

Converting Colors

XYZ(23.8422, 23.0358, 82.5936)

Have a look what the booklet for
XYZ(23.8422, 23.0358, 82.5936)
contains.

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Color

**XYZ(23.7964, 22.9696,
82.5363)**

Conversions

Conversions Part 1

Format	Color
Hex	1385EC
RGB	19, 133, 236
RGB Percent	7%, 52%, 93%
CMY	0.9253, 0.4784, 0.0745
CMYK	0.92, 0.44, 0.00, 0.07
HSL	208°, 85%, 50%
HSV	208°, 92%, 93%
XYZ	23.7964, 22.9696, 82.5363
YIQ	110.6560, -101.0070, 7.8650

Conversions

Conversions Part 2

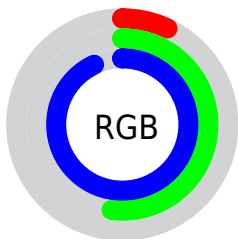
Format	Color
RYP	19, 94, 236
Decimal	1279468
CIELab	55.04, 8.92, -59.87
CIElCh	55, 60.535, 278.476
Yxy	22.9696, 0.1840, 0.1776
Android (android.graphics.Color)	4279469548 (0xFF1385EC)
YUV	110.6560, 61.7946, -80.3823
Hunter-Lab	47.9266, 4.7568, -68.5570

Details

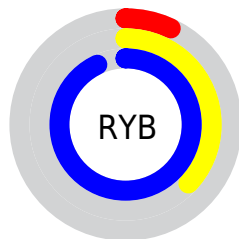
The XYZ color **23.7964, 22.9696, 82.5363** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **41.6748, 31.8093, 4.5612**, and the grayscale version is **14.8618, 15.6357, 17.0273**.

A 20% lighter version of the original color is **42.1645, 45.7173, 101.2098**, and **11.3070, 9.5953, 43.9040** is the 20% darker color. If you saturate the color by 10%, you get **22.3432, 20.4617, 82.1294**, and if you desaturate by 10%, it is **26.1260, 26.5706, 83.1091**.

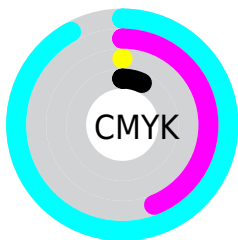
Distribution



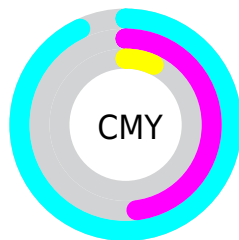
- Red (7%)
- Green (52%)
- Blue (93%)



- Red (7%)
- Yellow (37%)
- Blue (93%)



- Cyan (92%)
- Magenta (44%)
- Yellow (0%)
- Black (7%)



- Cyan (93%)
- Magenta (48%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7964, 22.9696, 82.5363 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 23.7964, 22.9696, 82.5363 by changing the saturation by 10% instead.

■ 23.7964, 22.9696,
82.5363

■ 23.7964, 22.9696,
82.5363

264.2491,
267.5688, 523.3703

■ 15.3066, 14.5711,
61.2693

■ 49.1548, 48.3434,
138.7692

■ 9.1225, 8.5189,
44.0106

■ 66.7542, 66.0875,
174.5723

■ 4.8790, 4.4287,
30.3416

■ 88.1207, 87.7155,
216.0577

■ 2.2104, 1.9162,
19.8437

■ 113.6199,
113.6119, 263.6441

■ 0.7482, 0.5581,
12.0986

■ 143.6169,
144.1610, 317.7501

■ 0.0000, 0.0000,
6.6875

178.4772,

■ 0.0000, 0.0000,

179.7473, 378.7940

3.1920

218.5662,
220.7551, 447.1946

■ 0.0000, 0.0000,
1.1935

■ 0.0000, 0.0000,
0.0000

■ 23.7964, 22.9696,
82.5363

■ 23.7964, 22.9696,
82.5363

■ 22.3432, 20.4617,
82.1294

■ 26.1260, 26.5706,
83.1091

■ 29.1929, 30.8017,
83.7642

■ 33.0893, 35.7175,
84.5077

■ 37.8913, 41.3640,
85.3444

■ 43.6657, 47.7820,
86.2789

■ 50.4725, 55.0086,
87.3150

■ 58.3663, 63.0780,
88.4565

■ 67.3979, 72.0222,
89.7069

■ 77.6144, 81.8712,
91.0695

Harmonies

Analogous

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



17.4176, 22.9696, 77.7955



23.7964, 22.9696, 82.5363



30.9193, 22.9696, 66.7210

Triad

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



23.7964, 22.9696, 82.5363



33.6181, 22.9696, 8.3058



11.8664, 22.9696, 13.7227

Complementary

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



23.7964, 22.9696, 82.5363



41.6748, 31.8093, 4.5612

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.



14.7263, 22.9696, 5.7634



23.7964, 22.9696, 82.5363



26.9353, 22.9696, 3.9435

Square

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



23.7964, 22.9696, 82.5363



37.3056, 22.9696, 19.9331



19.9786, 22.9696, 3.3406



11.3663, 22.9696, 30.8831

Rectangle

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



23.7964, 22.9696, 82.5363



34.8332, 22.9696, 49.8403



19.9786, 22.9696, 3.3406



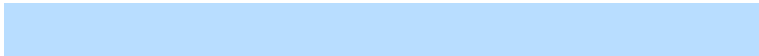
12.5504, 22.9696, 10.2001

Sweetspot

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



23.7974, 22.9703, 82.5369



63.6052, 69.1285, 104.5985



33.6728, 61.4933, 27.9560



12.7824, 13.9358, 22.2661



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.



23.7974, 22.9703, 82.5369



26.5669, 24.2538, 97.8890



15.7853, 6.9460, 79.8662



14.8860, 15.8584, 19.1987



12.4466, 11.5403, 45.3145



1.0736, 1.0987, 3.5904

Inverse Universe

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



39.0596, 19.9936, 23.9910



45.5389, 22.9796, 24.5679



62.6656, 73.7909, 11.5582



15.3960, 15.1863, 17.3707



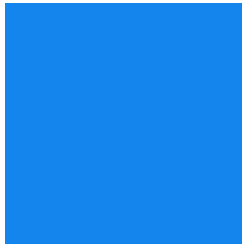
21.1378, 10.6578, 11.7929



1.7084, 0.8563, 1.1819

Previews

White Background



This preview shows how the XYZ color 23.7964, 22.9696, 82.5363 looks on a white background.

Color Contrast Check

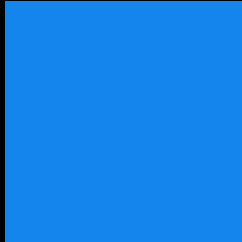
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7964, 22.9696, 82.5363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

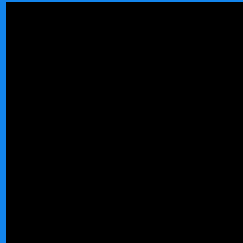
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

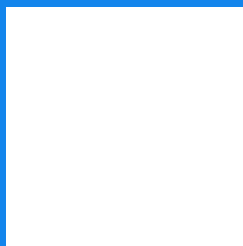
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7964, 22.9696, 82.5363

Background



This preview shows how black text looks on a background with the XYZ color 23.7964, 22.9696, 82.5363.



This preview shows how white text looks on a background with the XYZ color 23.7964, 22.9696,

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

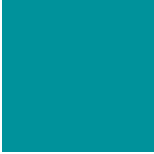
23.7964, 22.9696, 82.5363

Protanopia

25.4396, 22.7309, 77.9096

Deuteranopia

23.6938, 22.9168, 82.5315



Tritanopia

16.1953, 22.9243, 34.5816

Trichromacy



Original Color

23.7964, 22.9696, 82.5363

Protanomaly

24.2792, 22.4874, 79.4048

Deuteranomaly

23.7249, 22.9327, 82.5329

Tritanomaly

18.2642, 22.5556, 48.7384

Monochromacy



Original Color

23.7964, 22.9696, 82.5363

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7395, 17.2137, 33.9455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7964, 22.9696, 82.5363 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(19, 133, 236)` looks like.

```
.text, #text, p{  
    color:rgb(19, 133, 236)  
}
```

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(19, 133, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 133, 236) }
```

Border

The CSS property to change the border of an element to XYZ 23.7964, 22.9696, 82.5363 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(19, 133, 236) }
```


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

```
.border{ border-color:rgb(19, 133, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 133, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 133, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 133, 236);  
box-shadow:4px 4px 4px 4px rgb(19, 133,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7964, 22.9696, 82.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 133, 236) }
```

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

```
.background{ background-color: rgb(19, 133,  
236) }
```

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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