

Converting Colors

XYZ(20.3708, 17.4254, 78.6710)

Have a look what the booklet for
XYZ(20.3708, 17.4254, 78.6710)
contains.

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Color

**XYZ(20.3597, 17.4145,
78.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	0070E8
RGB	0, 112, 232
RGB Percent	0%, 44%, 91%
CMY	0.9997, 0.5608, 0.0902
CMYK	1.00, 0.52, 0.00, 0.09
HSL	211°, 100%, 46%
HSV	211°, 100%, 91%
XYZ	20.3597, 17.4145, 78.6322
YIQ	92.1920, -105.2720, 13.5760

Conversions

Conversions Part 2

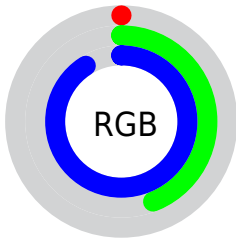
Format	Color
RYB	0, 76, 232
Decimal	28904
CIELab	48.78, 19.95, -67.75
CIELCh	49, 70.626, 286.409
Yxy	17.4145, 0.1749, 0.1496
Android (android.graphics.Color)	4278218984 (0xFF0070E8)
YUV	92.1920, 68.9253, -80.8524
Hunter-Lab	41.7307, 14.0585, -82.5073

Details

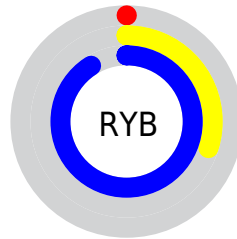
The XYZ color **20.3597, 17.4145, 78.6322** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.0040, 30.6055, 3.8010**, and the grayscale version is **10.0853, 10.6105, 11.5549**.

A 20% lighter version of the original color is **37.2106, 36.5402, 99.6995**, and **9.6861, 6.9916, 41.3964** is the 20% darker color. If you saturate the color by 10%, you get **20.3558, 17.4068, 78.6314**, and if you desaturate by 10%, it is **22.1332, 20.4277, 79.1208**.

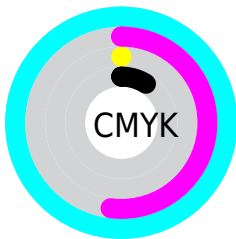
Distribution



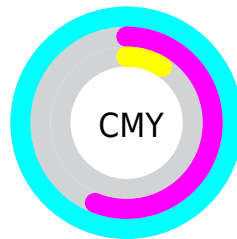
- Red (0%)
- Green (44%)
- Blue (91%)



- Red (0%)
- Yellow (30%)
- Blue (91%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3597, 17.4145, 78.6322 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 20.3597, 17.4145, 78.6322 by changing the saturation by 10% instead.

■ 20.3597, 17.4145,
78.6322

■ 20.3597, 17.4145,
78.6322

246.6524,
237.5498, 509.8959

■ 12.7666, 10.5305,
58.0739

■ 43.5188, 39.0371,
133.2349

■ 7.3439, 5.7521,
41.4530

■ 59.8154, 54.5444,
168.1164

■ 3.7263, 2.6949,
28.3508

■ 79.7440, 73.6950,
208.6094

■ 1.5485, 0.9746,
18.3490

■ 103.6698, 96.8731,
255.1325

■ 0.3585, 0.0000,
11.0288

■ 131.9581,
124.4633, 308.1041

■ 0.0000, 0.0000,
5.9718

164.9745,

■ 0.0000, 0.0000,

156.8499, 367.9429

2.7594

203.0841,
194.4173, 435.0673

■ 0.0000, 0.0000,
0.9731

■ 0.0000, 0.0000,
0.0000

■ 20.3597, 17.4145,
78.6322

■ 20.3597, 17.4145,
78.6322

■ 20.3558, 17.4068,
78.6314

■ 22.1332, 20.4277,
79.1208

■ 24.5186, 24.0283,
79.6900

■ 27.6590, 28.2991,
80.3489

■ 31.6397, 33.2930,
81.1030

■ 36.5330, 39.0557,
81.9574

■ 42.4028, 45.6282,
82.9166

■ 49.3067, 53.0478,
83.9849

■ 57.2976, 61.3495,
85.1661

■ 66.4245, 70.5656,
86.4640

Harmonies

Analogous

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



13.7724, 17.4145, 79.8199



20.3597, 17.4145, 78.6322



27.4175, 17.4145, 56.1502

Triad

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



20.3597, 17.4145, 78.6322



26.8106, 17.4145, 3.0189



7.0991, 17.4145, 11.7024

Complementary

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



20.3597, 17.4145, 78.6322



40.0040, 30.6055, 3.8010

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.



9.0197, 17.4145, 3.4015



20.3597, 17.4145, 78.6322



19.6824, 17.4145, 1.0850

Square

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



20.3597, 17.4145, 78.6322



31.7606, 17.4145, 10.5069



13.2513, 17.4145, 1.1544



7.1904, 17.4145, 31.0465

Rectangle

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



20.3597, 17.4145, 78.6322



30.9369, 17.4145, 37.3081



13.2513, 17.4145, 1.1544



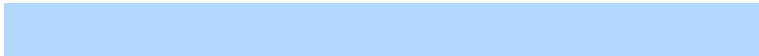
7.5035, 17.4145, 7.9014

Sweetspot

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



20.3606, 17.4149, 78.6327



60.9324, 65.5589, 104.0504



32.2417, 59.0676, 27.4393



12.2338, 13.1720, 22.1476



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.



20.3606, 17.4149, 78.6327



25.1409, 21.4019, 97.4136



14.6155, 5.8531, 76.7038



14.1540, 15.0293, 18.2993



11.4256, 9.9132, 43.6944



0.9370, 0.9178, 3.2597

Inverse Universe

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



36.2043, 18.3272, 16.9585



44.8192, 22.6917, 20.7777



60.8949, 74.2298, 11.1202



14.6653, 14.4833, 16.4379



20.1606, 10.1985, 9.7407



1.5366, 0.7723, 0.9660

Previews

White Background



This preview shows how the XYZ color 20.3597, 17.4145, 78.6322 looks on a white background.

Color Contrast Check

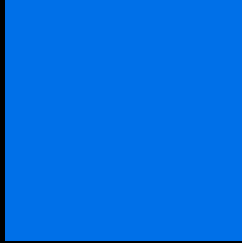
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3597, 17.4145, 78.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

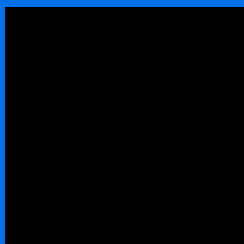
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

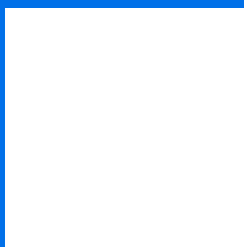
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3597, 17.4145, 78.6322

Background



This preview shows how black text looks on a background with the XYZ color 20.3597, 17.4145, 78.6322.



This preview shows how white text looks on a background with the XYZ color 20.3597, 17.4145,

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

20.3597, 17.4145, 78.6322

Protanopia

20.7354, 17.4617, 77.8789

Deuteranopia

17.3775, 17.3165, 59.5533



Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

20.3597, 17.4145, 78.6322

Protanomaly

20.4175, 17.2978, 77.8640

Deuteranomaly

18.3830, 17.3458, 65.9975

Tritanomaly

14.3102, 16.8593, 41.0280

Monochromacy



Original Color

20.3597, 17.4145, 78.6322

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.2234, 11.8367, 27.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3597, 17.4145, 78.6322 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(0, 112, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 232) }
```

Border

The CSS property to change the border of an element to XYZ 20.3597, 17.4145, 78.6322 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(0, 112, 232) }
```


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

```
.border{ border-color:rgb(0, 112, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3597, 17.4145, 78.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 232) }
```

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

```
.background{ background-color: rgb(0, 112,  
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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