

Converting Colors

XYZ(12.3894, 13.3947, 80.4646)

Have a look what the booklet for
XYZ(12.3894, 13.3947, 80.4646)
contains.

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Color

**XYZ(20.9005, 17.8084,
80.9331)**

Conversions

Conversions Part 1

Format	Color
Hex	0071EB
RGB	0, 113, 235
RGB Percent	0%, 44%, 92%
CMY	0.9998, 0.5569, 0.0784
CMYK	1.00, 0.52, 0.00, 0.08
HSL	211°, 100%, 46%
HSV	211°, 100%, 92%
XYZ	20.9005, 17.8084, 80.9331
YIQ	93.1210, -106.5100, 13.9860

Conversions

Conversions Part 2

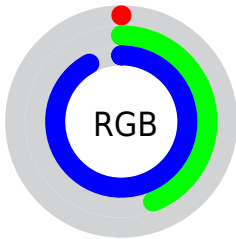
Format	Color
RYB	0, 76, 235
Decimal	29163
CIELab	49.26, 20.49, -68.65
CIELCh	49, 71.639, 286.618
Yxy	17.8084, 0.1747, 0.1488
Android (android.graphics.Color)	4278219243 (0xFF0071EB)
YUV	93.1210, 69.9463, -81.6671
Hunter-Lab	42.2000, 14.5561, -84.1691

Details

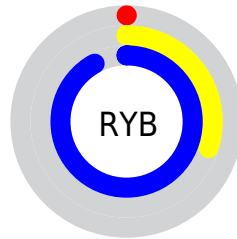
The XYZ color **20.9005, 17.8084, 80.9331** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **41.2286, 31.5966, 3.9275**, and the grayscale version is **10.2969, 10.8332, 11.7973**.

A 20% lighter version of the original color is **37.3889, 36.8967, 99.7589**, and **10.0430, 7.2287, 42.9854** is the 20% darker color. If you saturate the color by 10%, you get **20.8971, 17.8014, 80.9324**, and if you desaturate by 10%, it is **22.7212, 20.9058, 81.4355**.

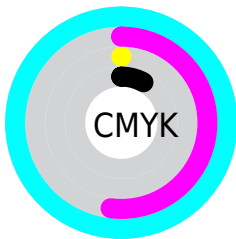
Distribution



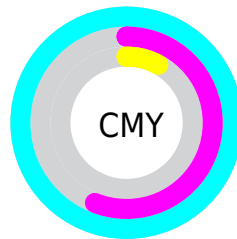
- Red (0%)
- Green (44%)
- Blue (92%)



- Red (0%)
- Yellow (30%)
- Blue (92%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (56%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9005, 17.8084, 80.9331 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 20.9005, 17.8084, 80.9331 by changing the saturation by 10% instead.

■ 20.9005, 17.8084,
80.9331

■ 20.9005, 17.8084,
80.9331

249.4910,
239.7889, 517.8614

■ 13.1633, 10.8125,
59.9558

■ 44.4144, 39.7106,
136.5001

■ 7.6189, 5.9409,
42.9580

■ 60.9219, 55.3857,
171.9268

■ 3.9018, 2.8092,
29.5210

■ 81.0834, 74.7226,
213.0071

■ 1.6467, 1.0329,
19.2263

■ 105.2645, 98.1058,
260.1596

■ 0.4226, 0.0000,
11.6555

■ 133.8305,
125.9196, 313.8027

■ 0.0000, 0.0000,
6.3899

167.1466,

■ 0.0000, 0.0000,

158.5485, 374.3550

3.0110

205.5783,
196.3767, 442.2350

■ 0.0000, 0.0000,
1.1002

■ 0.0000, 0.0000,
0.0000

■ 20.9005, 17.8084,
80.9331

■ 20.9005, 17.8084,
80.9331

■ 20.8971, 17.8014,
80.9324

■ 22.7212, 20.9058,
81.4355

■ 25.1741, 24.6111,
82.0214

■ 28.4061, 29.0096,
82.7000

■ 32.5052, 34.1559,
83.4773

■ 37.5464, 40.0974,
84.3584

■ 43.5956, 46.8766,
85.3481

■ 50.7122, 54.5322,
86.4507

■ 58.9510, 63.1002,
87.6703

■ 68.3626, 72.6142,
89.0106

Harmonies

Analogous

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



14.1063, 17.8084, 82.3441



20.9005, 17.8084, 80.9331



28.1719, 17.8084, 57.5748

Triad

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



20.9005, 17.8084, 80.9331



27.4530, 17.8084, 3.0073



7.2052, 17.8084, 12.0195

Complementary

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



20.9005, 17.8084, 80.9331



41.2286, 31.5966, 3.9275

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.



9.1600, 17.8084, 3.4546



20.9005, 17.8084, 80.9331



20.0993, 17.8084, 1.0692

Square

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



20.9005, 17.8084, 80.9331



32.5880, 17.8084, 10.6102



13.4909, 17.8084, 1.1495



7.3126, 17.8084, 32.0274

Rectangle

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



20.9005, 17.8084, 80.9331



31.7869, 17.8084, 38.1151



13.4909, 17.8084, 1.1495



7.6150, 17.8084, 8.0932

Sweetspot

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



20.9014, 17.8088, 80.9336



60.8955, 65.4852, 104.0381



33.1879, 60.8089, 28.2211



12.2251, 13.1546, 22.1447



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.



20.9014, 17.8088, 80.9336



25.0813, 21.2825, 97.3938



15.0459, 6.0252, 78.9677



14.8287, 15.7438, 19.1796



11.7565, 10.1601, 45.0844



1.0190, 0.9896, 3.5722

Inverse Universe

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



37.2425, 18.8559, 17.2994



44.7891, 22.6796, 20.6191



62.6913, 76.4203, 11.4481



15.3671, 15.1747, 17.2183



20.7895, 10.5185, 9.9586



1.6809, 0.8453, 1.0368

Previews

White Background



This preview shows how the XYZ color 20.9005, 17.8084, 80.9331 looks on a white background.

Color Contrast Check

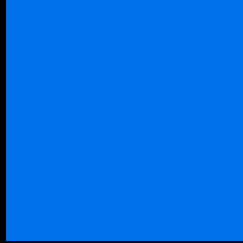
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9005, 17.8084, 80.9331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

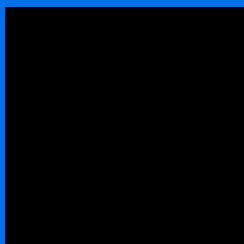
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

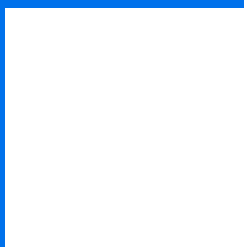
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9005, 17.8084, 80.9331

Background



This preview shows how black text looks on a background with the XYZ color 20.9005, 17.8084, 80.9331.



This preview shows how white text looks on a background with the XYZ color 20.9005, 17.8084,

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

20.9005, 17.8084, 80.9331

Protanopia

21.2105, 17.8202, 80.1636

Deuteranopia

17.7374, 17.6499, 60.8644

Trichromacy



Original Color

20.9005, 17.8084, 80.9331

Protanomaly

20.9339, 17.6776, 80.1507

Deuteranomaly

18.8857, 17.7323, 68.0729

Monochromacy



Original Color

20.9005, 17.8084, 80.9331

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.4716, 12.0885, 28.5168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9005, 17.8084, 80.9331 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, 113, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 235)  
}
```

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, 113, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 235) }
```

Border

The CSS property to change the border of an element to XYZ 20.9005, 17.8084, 80.9331 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, 113, 235) }
```

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

```
.border{ border-color:rgb(0, 113, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
235) }
```


Background

The CSS property to change the background color of an element to XYZ 20.9005, 17.8084, 80.9331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 235) }
```

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

```
.background{ background-color: rgb(0, 113,  
235) }
```

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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