

Converting Colors

XYZ(20.1212, 17.7192, 74.3106)

Have a look what the booklet for
XYZ(20.1212, 17.7192, 74.3106)
contains.

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Color

**XYZ(20.1215, 17.7198,
74.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	1872E2
RGB	24, 114, 226
RGB Percent	9%, 45%, 89%
CMY	0.9058, 0.5529, 0.1137
CMYK	0.89, 0.50, 0.00, 0.11
HSL	213°, 81%, 49%
HSV	213°, 89%, 89%
XYZ	20.1215, 17.7198, 74.3113
YIQ	99.8580, -89.5920, 15.7520

Conversions

Conversions Part 2

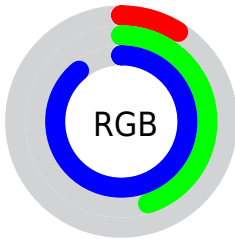
Format	Color
R_{YB}	24, 86, 226
Decimal	1602274
CIE _{Lab}	49.15, 17.16, -63.75
CIE _{LCh}	49, 66.021, 285.063
Yxy	17.7198, 0.1794, 0.1580
Android (android.graphics.Color)	4279792354 (0xFF1872E2)
YUV	99.8580, 62.1880, -66.5275
Hunter-Lab	42.0949, 11.6575, -75.1999

Details

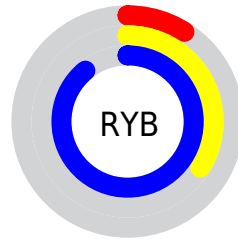
The XYZ color **20.1215, 17.7198, 74.3113** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.3382, 33.8524, 5.2740**, and the grayscale version is **11.9428, 12.5647, 13.6830**.

A 20% lighter version of the original color is **37.9355, 37.4453, 99.8360**, and **9.2629, 6.9166, 38.8770** is the 20% darker color. If you saturate the color by 10%, you get **18.4447, 14.8987, 73.8556**, and if you desaturate by 10%, it is **22.4121, 21.1450, 74.8521**.

Distribution



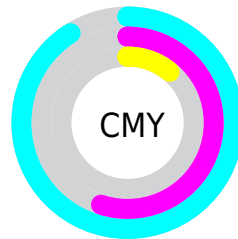
- Red (9%)
- Green (45%)
- Blue (89%)



- Red (9%)
- Yellow (34%)
- Blue (89%)



- Cyan (89%)
- Magenta (50%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1215, 17.7198, 74.3113 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 20.1215, 17.7198, 74.3113 by changing the saturation by 10% instead.

■ 20.1215, 17.7198,
74.3113

■ 20.1215, 17.7198,
74.3113

245.3932,
239.2869, 494.7392

■ 12.5922, 10.7490,
54.5505

■ 43.1232, 39.5593,
127.0751

■ 7.2234, 5.8983,
38.6458

■ 59.3262, 55.1968,
160.9152

■ 3.6498, 2.7834,
26.1786

■ 79.1513, 74.4919,
200.2856

■ 1.5060, 1.0197,
16.7303

■ 102.9636, 97.8292,
245.6046

■ 0.3299, 0.0000,
9.8825

■ 131.1286,
125.5929, 297.2910

■ 0.0000, 0.0000,
5.2165

164.0116,

■ 0.0000, 0.0000,

158.1675, 355.7632

2.3139

201.9780,
195.9374, 421.4397

■ 0.0000, 0.0000,
0.7390

■ 0.0000, 0.0000,
0.0000

■ 20.1215, 17.7198,
74.3113

■ 20.1215, 17.7198,
74.3113

■ 18.4447, 14.8987,
73.8556

■ 22.4121, 21.1450,
74.8521

■ 18.3496, 14.7351,
73.8290

■ 25.4404, 25.2490,
75.4847

■ 29.2876, 30.0840,
76.2152

■ 34.0223, 35.6953,
77.0487

■ 39.7052, 42.1237,
77.9900

■ 46.3912, 49.4066,
79.0433

■ 54.1309, 57.5785,
80.2128

■ 62.9711, 66.6722,
81.5021

■ 72.9557, 76.7182,
82.9149

Harmonies

Analogous

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



13.9623, 17.7198, 74.3591



20.1215, 17.7198, 74.3113



26.7273, 17.7198, 54.6756

Triad

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



20.1215, 17.7198, 74.3113



26.7020, 17.7198, 3.8422



7.7750, 17.7198, 11.7869

Complementary

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



20.1215, 17.7198, 74.3113



40.3382, 33.8524, 5.2740

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.



9.7555, 17.7198, 3.8604



20.1215, 17.7198, 74.3113



20.0929, 17.7198, 1.5571

Square

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



20.1215, 17.7198, 74.3113



31.1127, 17.7198, 11.7347



13.9400, 17.7198, 1.5607



7.7790, 17.7198, 29.5536

Rectangle

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



20.1215, 17.7198, 74.3113



30.0719, 17.7198, 37.4836



13.9400, 17.7198, 1.5607



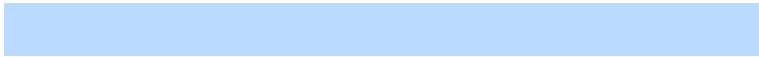
8.2043, 17.7198, 8.2118

Sweetspot

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



20.1223, 17.7203, 74.3118



63.1026, 67.2107, 104.2548



31.9552, 56.3402, 32.1546



12.8048, 13.6348, 22.2069



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.



20.1223, 17.7203, 74.3118



24.0213, 19.1627, 97.0404



14.7188, 6.4879, 72.4285



13.4521, 14.2434, 17.4279



10.5829, 8.6353, 42.1574



0.8218, 0.7751, 2.9515

Inverse Universe

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



34.7288, 18.0384, 17.5710



44.2541, 22.4656, 17.8018



55.6518, 69.0432, 11.2594



13.9597, 13.8015, 15.5579



19.2819, 9.7798, 8.1504



1.3811, 0.6957, 0.7996

Previews

White Background



This preview shows how the XYZ color 20.1215, 17.7198, 74.3113 looks on a white background.

Color Contrast Check

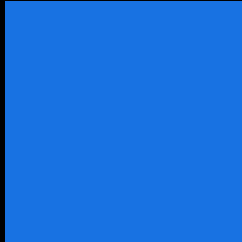
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1215, 17.7198, 74.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

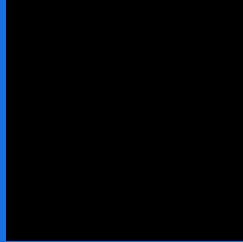
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

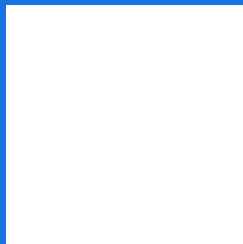
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1215, 17.7198, 74.3113

Background



This preview shows how black text looks on a background with the XYZ color 20.1215, 17.7198, 74.3113.



This preview shows how white text looks on a background with the XYZ color 20.1215, 17.7198,

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

20.1215, 17.7198, 74.3113

Protanopia

20.6140, 17.6740, 72.8460

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

12.3656, 17.5067, 26.3943

Trichromacy



Original Color

20.1215, 17.7198, 74.3113

Protanomaly

20.4102, 17.7179, 73.5783

Deuteranomaly

18.6115, 17.6357, 66.0414

Tritanomaly

14.4817, 17.3380, 40.1194

Monochromacy



Original Color

20.1215, 17.7198, 74.3113

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.9124, 13.5562, 29.1302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1215, 17.7198, 74.3113 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(24, 114, 226)` looks like.

```
.text, #text, p{  
    color:rgb(24, 114, 226)  
}
```

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(24, 114, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 114, 226) }
```

Border

The CSS property to change the border of an element to XYZ 20.1215, 17.7198, 74.3113 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(24, 114, 226) }
```


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

```
.border{ border-color:rgb(24, 114, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 114, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 114, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 114, 226);  
box-shadow:4px 4px 4px 4px rgb(24, 114,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1215, 17.7198, 74.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 114, 226) }
```

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

```
.background{ background-color: rgb(24, 114,  
226) }
```

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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