

Converting Colors

XYZ(21.1226, 17.8079, 78.6679)

Have a look what the booklet for
XYZ(21.1226, 17.8079, 78.6679)
contains.

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Color

**XYZ(21.1226, 17.8079,
78.6679)**

Conversions

Conversions Part 1

Format	Color
Hex	2570E8
RGB	37, 112, 232
RGB Percent	15%, 44%, 91%
CMY	0.8548, 0.5608, 0.0902
CMYK	0.84, 0.52, 0.00, 0.09
HSL	217°, 81%, 53%
HSV	217°, 84%, 91%
XYZ	21.1226, 17.8079, 78.6679
YIQ	103.2550, -83.2200, 21.4200

Conversions

Conversions Part 2

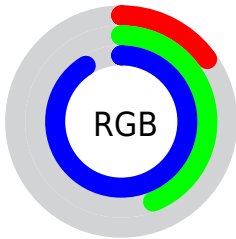
Format	Color
R_{YB}	37, 91, 232
Decimal	2453736
CIE _{Lab}	49.26, 21.56, -66.94
CIE _{LCh}	49, 70.327, 287.849
Yxy	17.8079, 0.1796, 0.1514
Android (android.graphics.Color)	4280643816 (0xFF2570E8)
YUV	103.2550, 63.4713, -58.1056
Hunter-Lab	42.1994, 15.4979, -80.9885

Details

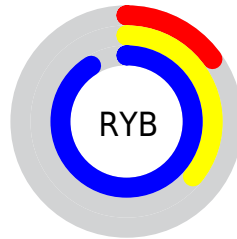
The XYZ color **21.1226, 17.8079, 78.6679** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **45.6735, 41.4104, 7.3377**, and the grayscale version is **12.8145, 13.4818, 14.6817**.

A 20% lighter version of the original color is **38.3497, 37.1274, 99.7528**, and **9.6861, 6.9916, 41.3964** is the 20% darker color. If you saturate the color by 10%, you get **19.0856, 14.6016, 78.1568**, and if you desaturate by 10%, it is **23.9390, 21.7869, 79.2879**.

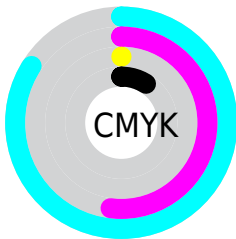
Distribution



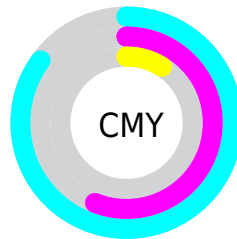
- Red (15%)
- Green (44%)
- Blue (91%)



- Red (15%)
- Yellow (36%)
- Blue (91%)



- Cyan (84%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1226, 17.8079, 78.6679 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 21.1226, 17.8079, 78.6679 by changing the saturation by 10% instead.

■ 21.1226, 17.8079,
78.6679

■ 21.1226, 17.8079,
78.6679

250.6487,
239.7860, 510.0200

■ 13.3266, 10.8122,
58.1031

■ 44.7812, 39.7097,
133.2857

■ 7.7324, 5.9407,
41.4763

■ 61.3746, 55.3846,
168.1757

■ 3.9745, 2.8090,
28.3689

■ 81.6311, 74.7213,
208.6779

■ 1.6877, 1.0329,
18.3625

■ 105.9162, 98.1042,
255.2107

■ 0.4486, 0.0000,
11.0384

■ 134.5951,
125.9177, 308.1929

■ 0.0000, 0.0000,
5.9782

168.0333,

■ 0.0000, 0.0000,

158.5463, 368.0428

2.7632

206.5960,
196.3743, 435.1790

■ 0.0000, 0.0000,
0.9751

■ 0.0000, 0.0000,
0.0000

■ 21.1226, 17.8079,
78.6679

■ 21.1226, 17.8079,
78.6679

■ 19.0856, 14.6016,
78.1568

■ 23.9390, 21.7869,
79.2879

■ 18.1560, 13.0071,
77.8981

■ 27.6298, 26.6039,
80.0232

■ 32.2774, 32.3166,
80.8809

■ 37.9532, 38.9763,
81.8672

■ 44.7209, 46.6297,
82.9877

■ 52.6389, 55.3200,
84.2478

■ 61.7613, 65.0876,
85.6524

■ 72.1386, 75.9707,
87.2061

■ 83.8180, 88.0053,
88.9134

Harmonies

Analogous

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



14.3919, 17.8079, 81.0712



21.1226, 17.8079, 78.6679



28.1895, 17.8079, 55.4529

Triad

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



21.1226, 17.8079, 78.6679



26.9544, 17.8079, 2.9964



7.3017, 17.8079, 12.6996

Complementary

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



21.1226, 17.8079, 78.6679



45.6735, 41.4104, 7.3377

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.



9.1510, 17.8079, 3.7941



21.1226, 17.8079, 78.6679



19.7411, 17.8079, 1.1413

Square

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



21.1226, 17.8079, 78.6679



32.1132, 17.8079, 10.2448



13.3255, 17.8079, 1.2887



7.4897, 17.8079, 32.8042

Rectangle

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



21.1226, 17.8079, 78.6679



31.6162, 17.8079, 36.5825



13.3255, 17.8079, 1.2887



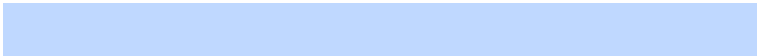
7.6806, 17.8079, 8.6582

Sweetspot

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



21.1235, 17.8084, 78.6684



64.0946, 67.3203, 104.2237



35.4539, 60.4406, 40.3731



12.9535, 13.5740, 22.1873



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.



21.1235, 17.8084, 78.6684



22.4234, 15.9668, 96.5078



16.8878, 8.0064, 76.9997



14.0349, 14.7913, 18.2596



10.1924, 7.4469, 43.2834



0.8409, 0.7258, 3.2277

Inverse Universe

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



36.8658, 19.6502, 17.1792



43.4475, 22.1430, 13.5545



56.4875, 71.9191, 12.6565



14.6052, 14.4593, 16.1215



19.5382, 9.9495, 6.4629



1.4881, 0.7529, 0.7108

Previews

White Background



This preview shows how the XYZ color 21.1226, 17.8079, 78.6679 looks on a white background.

Color Contrast Check

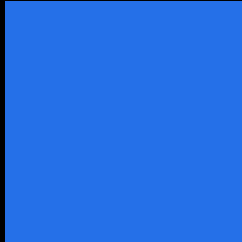
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1226, 17.8079, 78.6679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

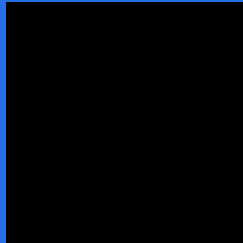
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

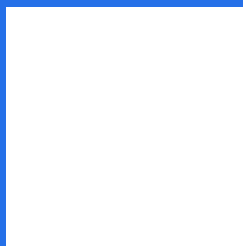
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1226, 17.8079, 78.6679

Background



This preview shows how black text looks on a background with the XYZ color 21.1226, 17.8079, 78.6679.



This preview shows how white text looks on a background with the XYZ color 21.1226, 17.8079,

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

21.1226, 17.8079, 78.6679

Protanopia

21.0528, 17.7719, 78.6646

Deuteranopia

17.7374, 17.6499, 60.8644

Trichromacy



Original Color

21.1226, 17.8079, 78.6679

Protanomaly

21.0872, 17.7896, 78.6663

Deuteranomaly

18.6771, 17.4826, 66.6801

Monochromacy



Original Color

21.1226, 17.8079, 78.6679

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.8835, 14.1723, 30.8580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1226, 17.8079, 78.6679 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(37, 112, 232)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 112, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 112, 232) }
```

Border

The CSS property to change the border of an element to XYZ 21.1226, 17.8079, 78.6679 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(37, 112, 232) }
```

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

```
.border{ border-color:rgb(37, 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(37, 112, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 112, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 112, 232);  
box-shadow:4px 4px 4px 4px rgb(37, 112,  
232) }
```


Background

The CSS property to change the background color of an element to XYZ 21.1226, 17.8079, 78.6679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 112, 232) }
```

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

```
.background{ background-color: rgb(37, 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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