

Converting Colors

XYZ(22.5286, 20.9541, 80.5582)

Have a look what the booklet for
XYZ(22.5286, 20.9541, 80.5582)
contains.

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Color

**XYZ(22.5807, 21.0007,
80.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	137EEA
RGB	19, 126, 234
RGB Percent	7%, 49%, 92%
CMY	0.9253, 0.5059, 0.0824
CMYK	0.92, 0.46, 0.00, 0.08
HSL	210°, 85%, 50%
HSV	210°, 92%, 92%
XYZ	22.5807, 21.0007, 80.7053
YIQ	106.3190, -98.4400, 10.9040

Conversions

Conversions Part 2

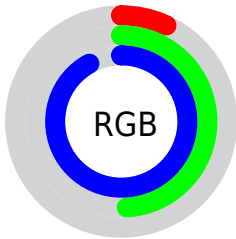
Format	Color
RYB	19, 90, 234
Decimal	1277674
CIELab	52.95, 12.47, -62.12
CIELCh	53, 63.360, 281.354
Yxy	21.0007, 0.1817, 0.1690
Android (android.graphics.Color)	4279467754 (0xFF137EEA)
YUV	106.3190, 62.9467, -76.5788
Hunter-Lab	45.8265, 7.7582, -72.3373

Details

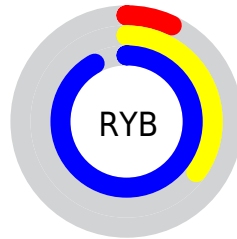
The XYZ color **22.5807, 21.0007, 80.7053** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **41.6442, 32.7286, 4.7402**, and the grayscale version is **13.6426, 14.3531, 15.6305**.

A 20% lighter version of the original color is **40.4008, 42.3758, 100.6577**, and **10.6602, 8.6231, 42.6975** is the 20% darker color. If you saturate the color by 10%, you get **21.1470, 18.5319, 80.3048**, and if you desaturate by 10%, it is **24.8780, 24.5495, 81.2697**.

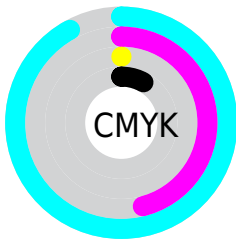
Distribution



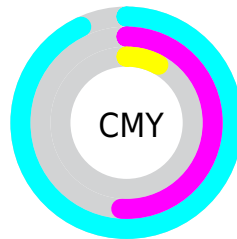
- Red (7%)
- Green (49%)
- Blue (92%)



- Red (7%)
- Yellow (35%)
- Blue (92%)



- Cyan (92%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)



- Cyan (93%)
- Magenta (51%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5807, 21.0007, 80.7053 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 22.5807, 21.0007, 80.7053 by changing the saturation by 10% instead.

■ 22.5807, 21.0007,
80.7053

■ 22.5807, 21.0007,
80.7053

258.1398,
257.2822, 517.0759

■ 14.4032, 13.1245,
59.7693

■ 47.1757, 45.0887,
136.1772

■ 8.4852, 7.5143,
42.8087

■ 64.3238, 62.0693,
171.5503

■ 4.4614, 3.7858,
29.4047

■ 85.1929, 82.8535,
212.5728

■ 1.9663, 1.5545,
19.1390

■ 110.1483,
107.8257, 259.6633

■ 0.6149, 0.3266,
11.5929

■ 139.5553,
137.3703, 313.2403

■ 0.0000, 0.0000,
6.3480

173.7793,

■ 0.0000, 0.0000,

171.8716, 373.7224

2.9856

213.1857,
211.7141, 441.5281

■ 0.0000, 0.0000,
1.0873

■ 0.0000, 0.0000,
0.0000

■ 22.5807, 21.0007,
80.7053

■ 22.5807, 21.0007,
80.7053

■ 21.1470, 18.5319,
80.3048

■ 24.8780, 24.5495,
81.2697

■ 27.9163, 28.7511,
81.9206

■ 31.7864, 33.6606,
82.6642

■ 36.5639, 39.3249,
83.5057

■ 42.3149, 45.7856,
84.4497

■ 49.0988, 53.0805,
85.5002

■ 56.9700, 61.2448,
86.6612

■ 65.9788, 70.3111,
87.9363

■ 76.1722, 80.3103,
89.3291

Harmonies

Analogous

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



16.1508, 21.0007, 77.9473



22.5807, 21.0007, 80.7053



29.6390, 21.0007, 62.7546

Triad

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



22.5807, 21.0007, 80.7053



31.1587, 21.0007, 6.2179



10.1434, 21.0007, 13.0555

Complementary

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



22.5807, 21.0007, 80.7053



41.6442, 32.7286, 4.7402

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.



12.6582, 21.0007, 4.9373



22.5807, 21.0007, 80.7053



24.3267, 21.0007, 2.7734

Square

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



22.5807, 21.0007, 80.7053



35.2752, 21.0007, 16.3973



17.5513, 21.0007, 2.4888



9.8781, 21.0007, 30.8455

Rectangle

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



22.5807, 21.0007, 80.7053



33.3908, 21.0007, 45.2534



17.5513, 21.0007, 2.4888



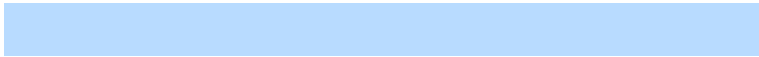
10.7224, 21.0007, 9.4357

Sweetspot

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



22.5817, 21.0013, 80.7059



63.0863, 68.0906, 104.4255



33.4919, 60.5047, 29.8284



12.6583, 13.6876, 22.2248



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.



22.5817, 21.0013, 80.7059



25.6244, 22.3688, 97.5748



15.3542, 6.5465, 78.2967



14.8504, 15.7871, 19.1868



12.0092, 10.6654, 45.1686



1.0392, 1.0298, 3.5789

Inverse Universe

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



37.9314, 19.4660, 21.4970



45.0632, 22.7893, 22.0627



63.4728, 76.3857, 12.0164



15.3780, 15.1791, 17.2759



20.9170, 10.5695, 10.6301



1.6910, 0.8494, 1.0904

Previews

White Background



This preview shows how the XYZ color 22.5807, 21.0007, 80.7053 looks on a white background.

Color Contrast Check

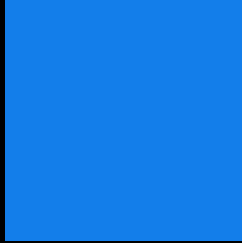
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5807, 21.0007, 80.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

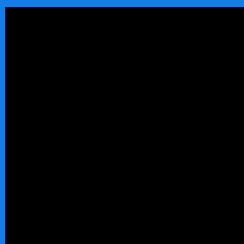
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

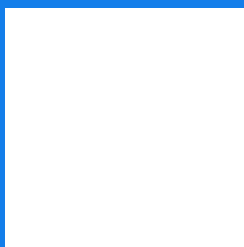
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5807, 21.0007, 80.7053

Background



This preview shows how black text looks on a background with the XYZ color 22.5807, 21.0007, 80.7053.



This preview shows how white text looks on a background with the XYZ color 22.5807, 21.0007,

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

22.5807, 21.0007, 80.7053

Protanopia

23.8410, 20.9718, 77.6543

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

22.5807, 21.0007, 80.7053

Protanomaly

22.9229, 20.6655, 78.3820

Deuteranomaly

21.6806, 20.8254, 76.2758

Tritanomaly

16.9898, 20.6684, 46.2740

Monochromacy



Original Color

22.5807, 21.0007, 80.7053

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.4789, 15.5660, 32.3784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5807, 21.0007, 80.7053 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, 126, 234)` looks like.

```
.text, #text, p{  
    color:rgb(19, 126, 234)  
}
```

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, 126, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 126, 234) }
```

Border

The CSS property to change the border of an element to XYZ 22.5807, 21.0007, 80.7053 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, 126, 234) }
```


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

```
.border{ border-color:rgb(19, 126, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 126, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 126, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 126, 234);  
box-shadow:4px 4px 4px 4px rgb(19, 126,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5807, 21.0007, 80.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 126, 234) }
```

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

```
.background{ background-color: rgb(19, 126,  
234) }
```

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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