

Converting Colors

XYZ(22.7725, 19.7327, 84.2699)

Have a look what the booklet for
XYZ(22.7725, 19.7327, 84.2699)
contains.

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Color

**XYZ(22.7725, 19.7327,
84.2699)**

Conversions

Conversions Part 1

Format	Color
Hex	2077EF
RGB	32, 119, 239
RGB Percent	13%, 47%, 94%
CMY	0.8744, 0.5333, 0.0627
CMYK	0.87, 0.50, 0.00, 0.06
HSL	215°, 87%, 53%
HSV	215°, 87%, 94%
XYZ	22.7725, 19.7327, 84.2699
YIQ	106.6670, -90.3720, 18.8760

Conversions

Conversions Part 2

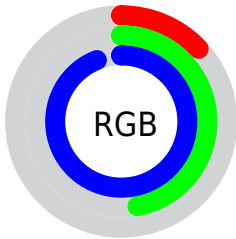
Format	Color
R_{YB}	32, 93, 239
Decimal	2127855
CIE _{Lab}	51.53, 19.45, -67.19
CIE _{LCh}	52, 69.948, 286.148
Yxy	19.7327, 0.1796, 0.1557
Android (android.graphics.Color)	4280317935 (0xFF2077EF)
YUV	106.6670, 65.2402, -65.4830
Hunter-Lab	44.4215, 13.7697, -81.3812

Details

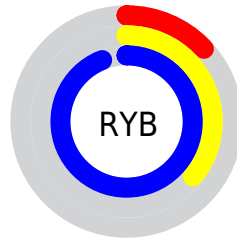
The XYZ color **22.7725, 19.7327, 84.2699** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **47.0908, 40.9210, 6.7851**, and the grayscale version is **13.7291, 14.4441, 15.7297**.

A 20% lighter version of the original color is **39.6272, 39.6825, 100.1786**, and **10.7609, 8.0121, 45.2353** is the 20% darker color. If you saturate the color by 10%, you get **20.7480, 16.4168, 83.7371**, and if you desaturate by 10%, it is **25.5749, 23.8067, 84.9090**.

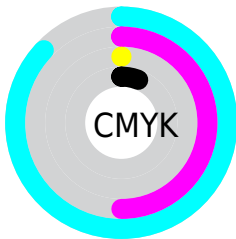
Distribution



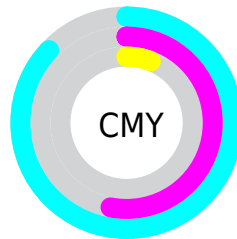
- Red (13%)
- Green (47%)
- Blue (94%)



- Red (13%)
- Yellow (36%)
- Blue (94%)



- Cyan (87%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)



- Cyan (87%)
- Magenta (53%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7725, 19.7327, 84.2699 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 22.7725, 19.7327, 84.2699 by changing the saturation by 10% instead.

■ 22.7725, 19.7327,
84.2699

■ 22.7725, 19.7327,
84.2699

259.1116,
250.4644, 529.2905

■ 14.5454, 12.2009,
62.6916

■ 47.4889, 42.9686,
141.2178

■ 8.5852, 6.8806,
45.1524

■ 64.7089, 59.4414,
177.4244

■ 4.5265, 3.3876,
31.2336

■ 85.6573, 79.6634,
219.3443

■ 2.0041, 1.3373,
20.5169

■ 110.6993,
104.0190, 267.3959

■ 0.6363, 0.1698,
12.5835

■ 140.2004,
132.8924, 321.9978

■ 0.0000, 0.0000,
7.0151

174.5259,

■ 0.0000, 0.0000,

166.6682, 383.5685

3.3929

214.0412,
205.7307, 452.5265

■ 0.0000, 0.0000,
1.2986

■ 0.0000, 0.0000,
0.0606

■ 22.7725, 19.7327,
84.2699

■ 22.7725, 19.7327,
84.2699

■ 20.7480, 16.4168,
83.7371

■ 25.5749, 23.8067,
84.9090

■ 20.1787, 15.4292,
83.5765

■ 29.2632, 28.7086,
85.6608

■ 33.9275, 34.4989,
86.5326

■ 39.6452, 41.2302,
87.5305

■ 46.4850, 48.9504,
88.6602

■ 54.5094, 57.7034,
89.9268

■ 63.7761, 67.5304,
91.3351

■ 74.3387, 78.4699,
92.8900

■ 86.2476, 90.5584,
94.5956

Harmonies

Analogous

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



15.7010, 19.7327, 85.2724



22.7725, 19.7327, 84.2699



30.2924, 19.7327, 61.0256

Triad

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



22.7725, 19.7327, 84.2699



29.7682, 19.7327, 3.9121



8.4526, 19.7327, 13.4844

Complementary

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



22.7725, 19.7327, 84.2699



47.0908, 40.9210, 6.7851

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.



10.5973, 19.7327, 4.2752



22.7725, 19.7327, 84.2699



22.1822, 19.7327, 1.5550

Square

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



22.7725, 19.7327, 84.2699



34.9706, 19.7327, 12.4155



15.2408, 19.7327, 1.6257



8.5353, 19.7327, 34.1541

Rectangle

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



22.7725, 19.7327, 84.2699



34.0378, 19.7327, 41.2555



15.2408, 19.7327, 1.6257



8.9082, 19.7327, 9.3232

Sweetspot

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



22.7734, 19.7332, 84.2704



63.6615, 67.3997, 104.2619



36.9130, 64.2208, 39.0151



12.8949, 13.6374, 22.2026



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.



22.7734, 19.7332, 84.2704



23.3237, 17.7675, 96.8079



17.2162, 7.8434, 82.2684



15.4431, 16.3203, 20.0578



11.2743, 8.7728, 46.2270



1.0342, 0.9223, 3.8777

Inverse Universe

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



39.4439, 20.7173, 19.3727



43.9019, 22.3248, 15.9476



62.2423, 77.8779, 13.1199



16.0484, 15.8691, 17.8108



21.0164, 10.6790, 8.0027



1.7970, 0.9078, 0.9216

Previews

White Background



This preview shows how the XYZ color 22.7725, 19.7327, 84.2699 looks on a white background.

Color Contrast Check

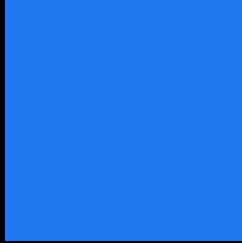
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7725, 19.7327, 84.2699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

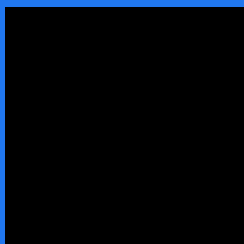
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

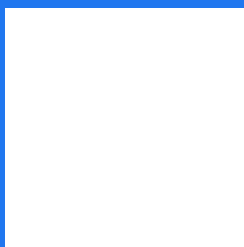
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7725, 19.7327, 84.2699

Background



This preview shows how black text looks on a background with the XYZ color 22.7725, 19.7327, 84.2699.



This preview shows how white text looks on a background with the XYZ color 22.7725, 19.7327,

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

22.7725, 19.7327, 84.2699

Protanopia

23.1777, 19.7829, 83.4858

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

13.8382, 19.6219, 29.4436

Trichromacy



Original Color

22.7725, 19.7327, 84.2699

Protanomaly

22.9073, 19.6435, 83.4731

Deuteranomaly

20.8252, 19.6803, 73.9352

Tritanomaly

16.2709, 19.2981, 45.5152

Monochromacy



Original Color

22.7725, 19.7327, 84.2699

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.9091, 15.4409, 33.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7725, 19.7327, 84.2699 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(32, 119, 239)` looks like.

```
.text, #text, p{  
    color:rgb(32, 119, 239)  
}
```

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(32, 119, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 119, 239) }
```

Border

The CSS property to change the border of an element to XYZ 22.7725, 19.7327, 84.2699 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(32, 119, 239) }
```


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

```
.border{ border-color:rgb(32, 119, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 119, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 119, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 119, 239);  
box-shadow:4px 4px 4px 4px rgb(32, 119,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7725, 19.7327, 84.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 119, 239) }
```

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

```
.background{ background-color: rgb(32, 119,  
239) }
```

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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