

Converting Colors

XYZ(21.9494, 19.2334, 79.6463)

Have a look what the booklet for
XYZ(21.9494, 19.2334, 79.6463)
contains.

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Color

**XYZ(21.9494, 19.2334,
79.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	2576E9
RGB	37, 118, 233
RGB Percent	15%, 46%, 91%
CMY	0.8548, 0.5373, 0.0863
CMYK	0.84, 0.49, 0.00, 0.09
HSL	215°, 82%, 53%
HSV	215°, 84%, 91%
XYZ	21.9494, 19.2334, 79.6463
YIQ	106.8910, -85.1910, 18.5930

Conversions

Conversions Part 2

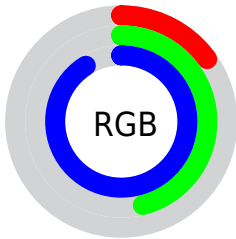
Format	Color
R _Y B	37, 94, 233
Decimal	2455273
CIE Lab	50.96, 18.14, -64.76
CIE LCh	51, 67.251, 285.651
Yxy	19.2334, 0.1817, 0.1592
Android (android.graphics.Color)	4280645353 (0xFF2576E9)
YUV	106.8910, 62.1717, -61.2944
Hunter-Lab	43.8559, 12.5895, -76.9769

Details

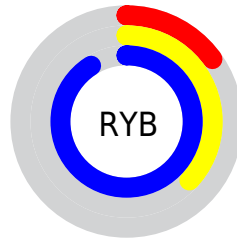
The XYZ color **21.9494, 19.2334, 79.6463** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **45.1707, 39.9213, 7.0770**, and the grayscale version is **13.7974, 14.5160, 15.8079**.

A 20% lighter version of the original color is **39.4404, 39.3089, 100.1164**, and **10.0897, 7.6411, 42.0174** is the 20% darker color. If you saturate the color by 10%, you get **19.8683, 15.9412, 79.1210**, and if you desaturate by 10%, it is **24.7981, 23.2679, 80.2754**.

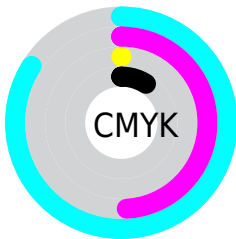
Distribution



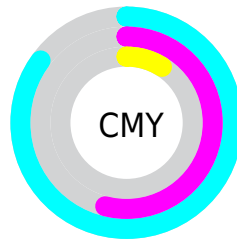
- Red (15%)
- Green (46%)
- Blue (91%)



- Red (15%)
- Yellow (37%)
- Blue (91%)



- Cyan (84%)
- Magenta (49%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9494, 19.2334, 79.6463 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 21.9494, 19.2334, 79.6463 by changing the saturation by 10% instead.

■ 21.9494, 19.2334,
79.6463

■ 21.9494, 19.2334,
79.6463

254.9192,
247.7342, 513.4153

■ 13.9361, 11.8390,
58.9029

■ 46.1418, 42.1281,
134.6752

■ 8.1577, 6.6342,
42.1154

■ 63.0517, 58.3973,
169.7978

■ 4.2486, 3.2344,
28.8655

■ 83.6578, 78.3935,
210.5506

■ 1.8437, 1.2553,
18.7344

■ 108.3255,
102.5012, 257.3520

■ 0.5438, 0.1062,
11.3036

■ 137.4201,
131.1047, 310.6207

■ 0.0000, 0.0000,
6.1547

171.3070,

■ 0.0000, 0.0000,

164.5884, 370.7751

2.8691

210.3516,
203.3368, 438.2338

■ 0.0000, 0.0000,
1.0282

■ 0.0000, 0.0000,
0.0000

■ 21.9494, 19.2334,
79.6463

■ 21.9494, 19.2334,
79.6463

■ 19.8683, 15.9412,
79.1210

■ 24.7981, 23.2679,
80.2754

■ 18.9161, 14.2993,
78.8543

■ 28.5088, 28.1072,
81.0139

■ 33.1634, 33.8067,
81.8687

■ 38.8325, 40.4153,
82.8455

■ 45.5793, 47.9775,
83.9495

■ 53.4617, 56.5346,
85.1857

■ 62.5331, 66.1250,
86.5588

■ 72.8433, 76.7851,
88.0730

■ 84.4393, 88.5491,
89.7325

Harmonies

Analogous

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



15.2931, 19.2334, 80.1717



21.9494, 19.2334, 79.6463



29.0260, 19.2334, 58.3562

Triad

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



21.9494, 19.2334, 79.6463



28.7476, 19.2334, 4.1591



8.4850, 19.2334, 13.1183

Complementary

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



21.9494, 19.2334, 79.6463



45.1707, 39.9213, 7.0770

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.



10.5808, 19.2334, 4.3625



21.9494, 19.2334, 79.6463



21.6342, 19.2334, 1.7315

Square

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



21.9494, 19.2334, 79.6463



33.5532, 19.2334, 12.5391



15.0455, 19.2334, 1.7726



8.5301, 19.2334, 32.4478

Rectangle

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



21.9494, 19.2334, 79.6463



32.5693, 19.2334, 39.9452



15.0455, 19.2334, 1.7726



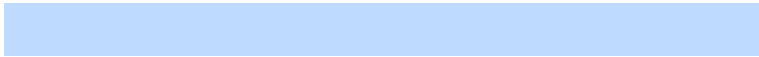
8.9352, 19.2334, 9.1867

Sweetspot

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



21.9503, 19.2339, 79.6468



64.5644, 68.2599, 104.3803



35.5167, 60.9174, 39.3108



13.0645, 13.7959, 22.2243



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.



21.9503, 19.2339, 79.6468



23.1389, 17.3978, 96.7463



16.8572, 7.9743, 77.7419



14.7424, 15.5713, 19.1508



10.8488, 8.3446, 44.7818



0.9447, 0.8408, 3.5474

Inverse Universe

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



37.5368, 19.9563, 19.0132



43.8086, 22.2875, 15.4563



57.9904, 73.1129, 12.8079



15.3236, 15.1573, 16.9891



20.3313, 10.3352, 7.5458



1.6433, 0.8303, 0.8391

Previews

White Background



This preview shows how the XYZ color 21.9494, 19.2334, 79.6463 looks on a white background.

Color Contrast Check

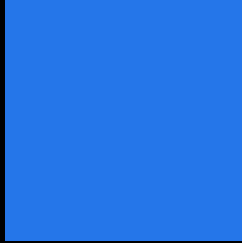
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9494, 19.2334, 79.6463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

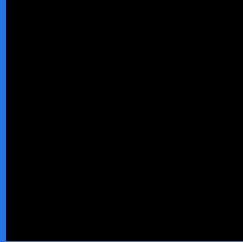
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

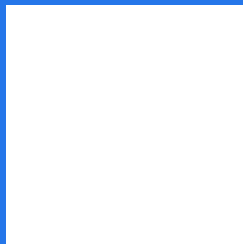
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9494, 19.2334, 79.6463

Background



This preview shows how black text looks on a background with the XYZ color 21.9494, 19.2334, 79.6463.



This preview shows how white text looks on a background with the XYZ color 21.9494, 19.2334,

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

21.9494, 19.2334, 79.6463

Protanopia

22.3064, 19.2764, 78.1463

Deuteranopia

19.3487, 19.0722, 66.9515



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

21.9494, 19.2334, 79.6463

Protanomaly

22.1457, 19.1772, 78.8783

Deuteranomaly

20.1882, 19.0342, 71.7172

Tritanomaly

15.7216, 18.6585, 43.8471

Monochromacy



Original Color

21.9494, 19.2334, 79.6463

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.9139, 15.4626, 32.3355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9494, 19.2334, 79.6463 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, 118, 233)` looks like.

```
.text, #text, p{  
    color:rgb(37, 118, 233)  
}
```

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, 118, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 118, 233) }
```

Border

The CSS property to change the border of an element to XYZ 21.9494, 19.2334, 79.6463 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, 118, 233) }
```


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

```
.border{ border-color:rgb(37, 118, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 118, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 118, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 118, 233);  
box-shadow:4px 4px 4px 4px rgb(37, 118,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9494, 19.2334, 79.6463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 118, 233) }
```

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

```
.background{ background-color: rgb(37, 118,  
233) }
```

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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