

Converting Colors

XYZ(22.6265, 20.1443, 71.6293)

Have a look what the booklet for
XYZ(22.6265, 20.1443, 71.6293)
contains.

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Color

**XYZ(22.6489, 20.1233,
71.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	4978DE
RGB	73, 120, 222
RGB Percent	29%, 47%, 87%
CMY	0.7137, 0.5294, 0.1294
CMYK	0.67, 0.46, 0.00, 0.13
HSL	221°, 69%, 58%
HSV	221°, 67%, 87%
XYZ	22.6489, 20.1233, 71.7977
YIQ	117.5750, -60.7540, 21.7580

Conversions

Conversions Part 2

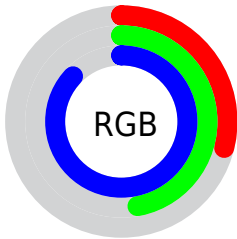
Format	Color
R _Y B	73, 109, 222
Decimal	4815070
CIE Lab	51.98, 16.98, -56.88
CIE LCh	52, 59.360, 286.625
Yxy	20.1233, 0.1977, 0.1756
Android (android.graphics.Color)	4283005150 (0xFF4978DE)
YUV	117.5750, 51.4815, -39.0923
Hunter-Lab	44.8590, 11.6198, -63.4935

Details

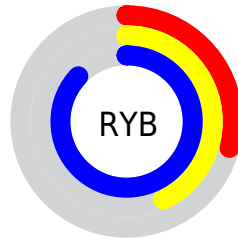
The XYZ color **22.6489, 20.1233, 71.7977** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **46.6589, 46.6740, 12.8546**, and the grayscale version is **16.9465, 17.8290, 19.4158**.

A 20% lighter version of the original color is **42.9559, 41.9593, 100.4427**, and **9.2003, 7.3879, 37.0175** is the 20% darker color. If you saturate the color by 10%, you get **19.5720, 16.0358, 71.1714**, and if you desaturate by 10%, it is **26.6177, 25.1016, 72.5499**.

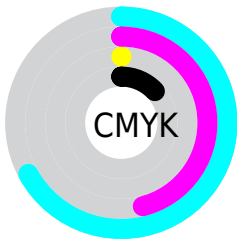
Distribution



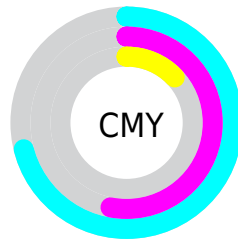
- Red (29%)
- Green (47%)
- Blue (87%)



- Red (29%)
- Yellow (43%)
- Blue (87%)



- Cyan (67%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (71%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6489, 20.1233, 71.7977 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 22.6489, 20.1233, 71.7977 by changing the saturation by 10% instead.

■ 22.6489, 20.1233,
71.7977

■ 22.6489, 20.1233,
71.7977

258.4857,
252.5818, 485.7958

■ 14.4537, 12.4847,
52.5076

■ 47.2871, 43.6238,
123.4739

■ 8.5207, 7.0747,
37.0248

■ 64.4608, 60.2545,
156.6971

■ 4.4845, 3.5089,
24.9308

■ 85.3581, 80.6514,
195.4018

■ 1.9797, 1.4028,
15.8069

■ 110.3444,
105.1988, 240.0064

■ 0.6225, 0.2188,
9.2348

139.7849,
134.2811, 290.9296

■ 0.0000, 0.0000,
4.7957

174.0450,

■ 0.0000, 0.0000,

168.2828, 348.5899

2.0713

213.4902,
207.5883, 413.4057

■ 0.0000, 0.0000,
0.5986

■ 0.0000, 0.0000,
0.0000

■ 22.6489, 20.1233,
71.7977

■ 22.6489, 20.1233,
71.7977

■ 19.5720, 16.0358,
71.1714

■ 26.6177, 25.1016,
72.5499

■ 17.3035, 12.7753,
70.6616

■ 31.5459, 31.0239,
73.4333

■ 15.7411, 10.2673,
70.2598

■ 37.4971, 37.9410,
74.4547

■ 15.3763, 9.6567,
70.1612

■ 44.5283, 45.8991,
75.6202

■ 52.6922, 54.9414,
76.9353

■ 62.0379, 65.1085,
78.4051

■ 72.6116, 76.4388,
80.0348

■ 84.4569, 88.9687,
81.8290

■ 90.1849, 98.0540,
83.2808

Harmonies

Analogous

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



16.5615, 20.1233, 72.8809



22.6489, 20.1233, 71.7977



28.8816, 20.1233, 53.6504

Triad

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



22.6489, 20.1233, 71.7977



28.2725, 20.1233, 5.5273



9.8998, 20.1233, 15.0764

Complementary

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



22.6489, 20.1233, 71.7977



46.6589, 46.6740, 12.8546

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.



11.8602, 20.1233, 6.0775



22.6489, 20.1233, 71.7977



21.9437, 20.1233, 2.8599

Square

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



22.6489, 20.1233, 71.7977



32.5676, 20.1233, 13.6995



15.9898, 20.1233, 2.9874



10.0102, 20.1233, 32.8826

Rectangle

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



22.6489, 20.1233, 71.7977



31.9046, 20.1233, 37.9518



15.9898, 20.1233, 2.9874



10.3173, 20.1233, 11.1785

Sweetspot

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



22.6498, 20.1239, 71.7982



68.5675, 71.2887, 104.7539



36.5899, 56.7478, 49.4896



13.9936, 14.5033, 22.3118



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.



22.6498, 20.1239, 71.7982



25.2621, 19.8031, 97.0987



20.8594, 12.7680, 70.4728



13.3031, 13.9453, 17.3782



9.2213, 5.9122, 41.7035



0.7177, 0.5668, 2.9168

Inverse Universe

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



35.8977, 21.6520, 20.0568



45.3298, 24.6166, 18.1617



49.7488, 64.2843, 16.0909



13.8844, 13.7714, 15.1617



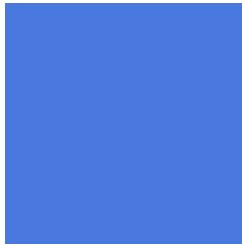
18.5947, 9.5049, 4.5315



1.3285, 0.6747, 0.5227

Previews

White Background



This preview shows how the XYZ color 22.6489, 20.1233, 71.7977 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 22.6489, 20.1233, 71.7977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

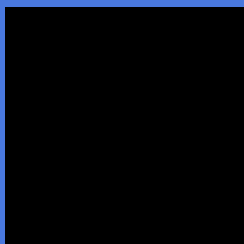
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

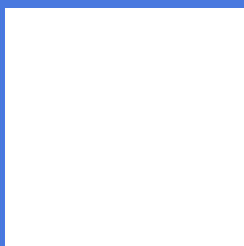
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6489, 20.1233, 71.7977

Background



This preview shows how black text looks on a background with the XYZ color 22.6489, 20.1233, 71.7977.



This preview shows how white text looks on a background with the XYZ color 22.6489, 20.1233,

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

22.6489, 20.1233, 71.7977

Protanopia

22.7253, 20.1627, 71.8013

Deuteranopia

20.8108, 20.1073, 71.1909



Tritanopia

14.3786, 20.0746, 31.1339

Trichromacy



Original Color

22.6489, 20.1233, 71.7977

Protanomaly

22.7253, 20.1627, 71.8013

Deuteranomaly

21.1304, 19.9000, 71.1340

Tritanomaly

16.4192, 19.6191, 43.4789

Monochromacy



Original Color

22.6489, 20.1233, 71.7977

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0771, 18.4187, 34.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6489, 20.1233, 71.7977 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(73, 120, 222)` looks like.

```
.text, #text, p{  
    color:rgb(73, 120, 222)  
}
```

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(73, 120, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 222) }
```

Border

The CSS property to change the border of an element to XYZ 22.6489, 20.1233, 71.7977 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(73, 120, 222) }
```


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

```
.border{ border-color:rgb(73, 120, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 120, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 120, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 120, 222);  
box-shadow:4px 4px 4px 4px rgb(73, 120,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6489, 20.1233, 71.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 120, 222) }
```

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

```
.background{ background-color: rgb(73, 120,  
222) }
```

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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