

Converting Colors

XYZ(17.5064, 18.4187, 76.9204)

Have a look what the booklet for
XYZ(17.5064, 18.4187, 76.9204)
contains.

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Color

**XYZ(21.6037, 20.5789,
76.9622)**

Conversions

Conversions Part 1

Format	Color
Hex	007EE5
RGB	0, 126, 229
RGB Percent	0%, 49%, 90%
CMY	0.9998, 0.5059, 0.1020
CMYK	1.00, 0.45, 0.00, 0.10
HSL	207°, 100%, 45%
HSV	207°, 100%, 90%
XYZ	21.6037, 20.5789, 76.9622
YIQ	100.0680, -108.1590, 5.3210

Conversions

Conversions Part 2

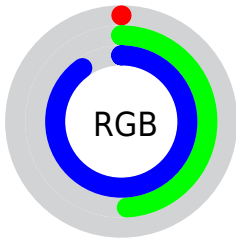
Format	Color
R _Y B	0, 81, 229
Decimal	32485
CIE Lab	52.49, 9.94, -60.08
CIE LCh	52, 60.896, 279.399
Yxy	20.5789, 0.1813, 0.1727
Android (android.graphics.Color)	4278222565 (0xFF007EE5)
YUV	100.0680, 63.5635, -87.7596
Hunter-Lab	45.3640, 5.6202, -68.8336

Details

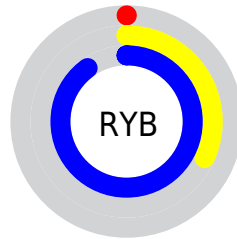
The XYZ color **21.6037, 20.5789, 76.9622** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.1694, 26.3699, 3.1325**, and the grayscale version is **11.9979, 12.6227, 13.7462**.

A 20% lighter version of the original color is **39.7961, 42.0640, 100.6294**, and **10.2672, 8.4659, 40.6281** is the 20% darker color. If you saturate the color by 10%, you get **21.6007, 20.5726, 76.9616**, and if you desaturate by 10%, it is **23.3423, 23.5327, 77.4412**.

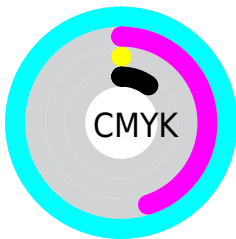
Distribution



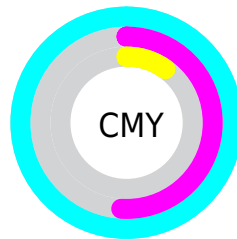
- Red (0%)
- Green (49%)
- Blue (90%)



- Red (0%)
- Yellow (32%)
- Blue (90%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (51%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6037, 20.5789, 76.9622 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 21.6037, 20.5789, 76.9622 by changing the saturation by 10% instead.

■ 21.6037, 20.5789,
76.9622

■ 21.6037, 20.5789,
76.9622

253.1411,
255.0320, 504.0694

■ 13.6810, 12.8165,
56.7105

■ 45.5739, 44.3856,
130.8586

■ 7.9793, 7.3023,
40.3650

■ 62.3520, 61.1988,
165.3404

■ 4.1334, 3.6519,
27.5073

■ 82.8127, 81.7977,
205.4027

■ 1.7779, 1.4808,
17.7188

■ 107.3212,
106.5668, 251.4639

■ 0.5043, 0.2752,
10.5809

■ 136.2429,
135.8903, 303.9426

■ 0.0000, 0.0000,
5.6752

169.9433,

■ 0.0000, 0.0000,

170.1528, 363.2574

2.5830

208.7875,
209.7386, 429.8268

■ 0.0000, 0.0000,
0.8837

■ 0.0000, 0.0000,
0.0000

■ 21.6037, 20.5789,
76.9622

■ 21.6037, 20.5789,
76.9622

■ 21.6007, 20.5726,
76.9616

■ 23.3423, 23.5327,
77.4412

■ 25.6357, 26.9798,
77.9857

■ 28.6214, 30.9965,
78.6036

■ 32.3798, 35.6296,
79.2998

■ 36.9788, 40.9195,
80.0785

■ 42.4785, 46.9021,
80.9434

■ 48.9328, 53.6100,
81.8979

■ 56.3912, 61.0733,
82.9454

■ 64.8996, 69.3204,
84.0888

Harmonies

Analogous

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



15.6020, 20.5789, 73.0432



21.6037, 20.5789, 76.9622



28.2926, 20.5789, 61.2904

Triad

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



21.6037, 20.5789, 76.9622



30.4840, 20.5789, 6.8199



10.2760, 20.5789, 12.2884

Complementary

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



21.6037, 20.5789, 76.9622



37.1694, 26.3699, 3.1325

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.



12.8386, 20.5789, 4.8757



21.6037, 20.5789, 76.9622



24.1355, 20.5789, 3.1010

Square

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



21.6037, 20.5789, 76.9622



34.0973, 20.5789, 17.2091



17.6487, 20.5789, 2.6556



9.8829, 20.5789, 28.5583

Rectangle

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



21.6037, 20.5789, 76.9622



31.9381, 20.5789, 45.0934



17.6487, 20.5789, 2.6556



10.8811, 20.5789, 8.9868

Sweetspot

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



21.6046, 20.5795, 76.9628



62.2716, 68.2374, 104.4968



30.2850, 56.9453, 21.2664



12.5505, 13.8055, 22.2532



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.



21.6046, 20.5795, 76.9628



27.4688, 26.0575, 98.1896



14.3190, 6.0083, 74.5342



14.2368, 15.1950, 18.3269



12.4721, 12.0063, 44.0433



1.0141, 1.0722, 3.2855

Inverse Universe

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



36.0799, 18.1657, 21.3437



45.9942, 23.1617, 26.9650



56.2938, 64.6187, 9.5073



14.7071, 14.5000, 16.6580



20.6888, 10.4098, 12.5224



1.5755, 0.7879, 1.1711

Previews

White Background



This preview shows how the XYZ color 21.6037, 20.5789, 76.9622 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 21.6037, 20.5789, 76.9622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

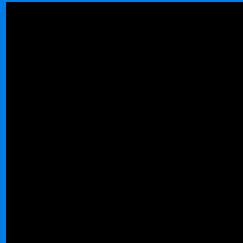
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

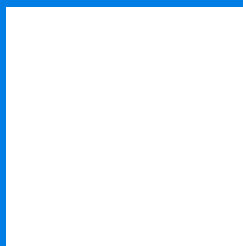
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6037, 20.5789, 76.9622

Background



This preview shows how black text looks on a background with the XYZ color 21.6037, 20.5789, 76.9622.



This preview shows how white text looks on a background with the XYZ color 21.6037, 20.5789,

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

21.6037, 20.5789, 76.9622

Protanopia

23.1936, 20.5524, 73.2656

Deuteranopia

21.0439, 20.5606, 73.3805



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

21.6037, 20.5789, 76.9622

Protanomaly

22.0294, 20.2853, 74.7059

Deuteranomaly

21.3168, 20.6697, 74.8176

Tritanomaly

16.4609, 20.2245, 44.6311

Monochromacy



Original Color

21.6037, 20.5789, 76.9622

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8495, 14.1339, 29.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6037, 20.5789, 76.9622 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(0, 126, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 229)  
}
```

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(0, 126, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 229) }
```

Border

The CSS property to change the border of an element to XYZ 21.6037, 20.5789, 76.9622 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(0, 126, 229) }
```


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

```
.border{ border-color:rgb(0, 126, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6037, 20.5789, 76.9622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 229) }
```

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

```
.background{ background-color: rgb(0, 126,  
229) }
```

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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