

Converting Colors

XYZ(20.5589, 16.1554, 73.8869)

Have a look what the booklet for
XYZ(20.5589, 16.1554, 73.8869)
contains.

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Color

**XYZ(20.6276, 16.2482,
74.0005)**

Conversions

Conversions Part 1

Format	Color
Hex	3F67E2
RGB	63, 103, 226
RGB Percent	25%, 40%, 89%
CMY	0.7529, 0.5961, 0.1137
CMYK	0.72, 0.54, 0.00, 0.11
HSL	225°, 74%, 57%
HSV	225°, 72%, 89%
XYZ	20.6276, 16.2482, 74.0005
YIQ	105.0620, -63.3230, 29.7730

Conversions

Conversions Part 2

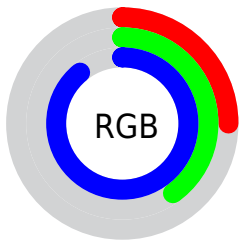
Format	Color
R _{YB}	63, 95, 226
Decimal	4155362
CIE _{Lab}	47.30, 27.64, -66.71
CIE _{LCh}	47, 72.204, 292.504
Yxy	16.2482, 0.1860, 0.1465
Android (android.graphics.Color)	4282345442 (0xFF3F67E2)
YUV	105.0620, 59.6224, -36.8884
Hunter-Lab	40.3091, 20.8040, -80.6299

Details

The XYZ color **20.6276, 16.2482, 74.0005** 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 **49.8231, 51.6507, 12.0479**, and the grayscale version is **13.3011, 13.9938, 15.2392**.

A 20% lighter version of the original color is **38.8115, 35.0770, 99.3327**, and **8.7188, 5.8285, 38.6957** is the 20% darker color. If you saturate the color by 10%, you get **17.9421, 12.5972, 73.4377**, and if you desaturate by 10%, it is **24.2527, 20.8973, 74.7072**.

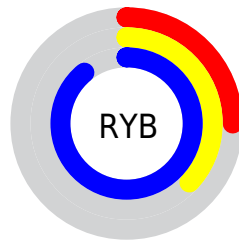
Distribution



Red (25%)

Green (40%)

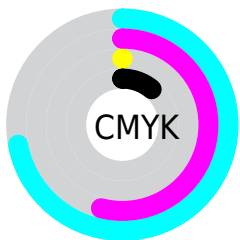
Blue (89%)



Red (25%)

Yellow (37%)

Blue (89%)

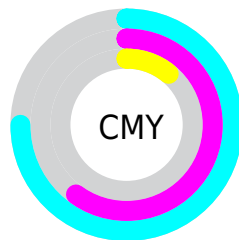


Cyan (72%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (60%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6276, 16.2482, 74.0005 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 20.6276, 16.2482, 74.0005 by changing the saturation by 10% instead.

■ 20.6276, 16.2482,
74.0005

■ 20.6276, 16.2482,
74.0005

248.0621,
230.8019, 493.6385

■ 12.9630, 9.7000,
54.2977

■ 43.9629, 37.0286,
126.6306

■ 7.4799, 5.2005,
38.4449

■ 60.3643, 52.0295,
160.3949

■ 3.8130, 2.3654,
26.0237

■ 80.4086, 70.6167,
199.6834

■ 1.5969, 0.8080,
16.6154

■ 104.4612, 93.1747,
244.9147

■ 0.3904, 0.0000,
9.8016

132.8875,
120.0878, 296.5074

■ 0.0000, 0.0000,
5.1637

166.0529,

■ 0.0000, 0.0000,

151.7404, 354.8798

2.2832

204.3226,
188.5170, 420.4507

■ 0.0000, 0.0000,
0.7218

■ 0.0000, 0.0000,
0.0000

■ 20.6276, 16.2482,
74.0005

■ 20.6276, 16.2482,
74.0005

■ 17.9421, 12.5972,
73.4377

■ 24.2527, 20.8973,
74.7072

■ 16.0948, 9.8605,
73.0069

■ 28.8990, 26.6152,
75.5660

■ 15.1151, 8.2662,
72.7508

■ 34.6414, 33.4672,
76.5859

■ 41.5469, 41.5128,
77.7749

■ 49.6769, 50.8070,
79.1404

■ 59.0885, 61.4014,
80.6893

■ 69.8349, 73.3446,
82.4281

■ 81.9665, 86.6825,
84.3632

■ 90.7275, 98.2710,
86.1382

Harmonies

Analogous

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



13.8984, 16.2482, 80.3354



20.6276, 16.2482, 74.0005



27.3566, 16.2482, 48.8295

Triad

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



20.6276, 16.2482, 74.0005



24.1736, 16.2482, 1.8971



6.1979, 16.2482, 13.4945

Complementary

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



20.6276, 16.2482, 74.0005



49.8231, 51.6507, 12.0479

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.



7.6152, 16.2482, 3.7695



20.6276, 16.2482, 74.0005



17.0989, 16.2482, 0.6965

Square

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



20.6276, 16.2482, 74.0005



29.7659, 16.2482, 7.3677



11.2099, 16.2482, 1.0396



6.6598, 16.2482, 34.8219

Rectangle

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



20.6276, 16.2482, 74.0005



30.3369, 16.2482, 30.4875



11.2099, 16.2482, 1.0396



6.4529, 16.2482, 9.0952

Sweetspot

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



20.6284, 16.2486, 74.0010



65.2864, 66.7680, 104.0543



38.0308, 58.9636, 55.4159



13.3145, 13.5416, 22.1620



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.



20.6284, 16.2486, 74.0010



22.1373, 14.4565, 96.2314



21.1866, 11.9759, 73.1468



13.2238, 13.7868, 17.3518



8.7015, 4.8726, 41.5303



0.6729, 0.4773, 2.9019

Inverse Universe

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



35.5905, 20.7044, 14.9525



43.5321, 23.0537, 11.2969



48.1628, 65.0978, 14.7310



13.8444, 13.7554, 14.9510



18.3323, 9.3999, 3.1499



1.3059, 0.6656, 0.4039

Previews

White Background



This preview shows how the XYZ color 20.6276, 16.2482, 74.0005 looks on a white background.

Color Contrast Check

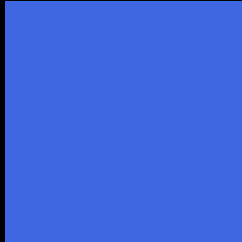
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.6276, 16.2482, 74.0005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

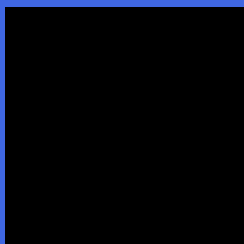
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

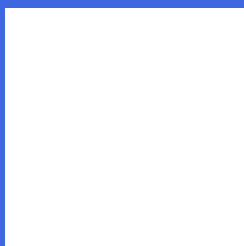
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6276, 16.2482, 74.0005

Background



This preview shows how black text looks on a background with the XYZ color 20.6276, 16.2482, 74.0005.



This preview shows how white text looks on a background with the XYZ color 20.6276, 16.2482,

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

20.6276, 16.2482, 74.0005

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.2104, 16.1118, 55.6816



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

20.6276, 16.2482, 74.0005

Protanomaly

19.3725, 16.0363, 74.7473

Deuteranomaly

17.3144, 15.8881, 61.8286

Tritanomaly

13.5738, 15.4630, 38.8285

Monochromacy



Original Color

20.6276, 16.2482, 74.0005

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.5916, 14.2442, 30.4141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6276, 16.2482, 74.0005 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(63, 103, 226)` looks like.

```
.text, #text, p{  
    color:rgb(63, 103, 226)  
}
```

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(63, 103, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 103, 226) }
```

Border

The CSS property to change the border of an element to XYZ 20.6276, 16.2482, 74.0005 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(63, 103, 226) }
```


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

```
.border{ border-color:rgb(63, 103, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 103, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 103, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 103, 226);  
box-shadow:4px 4px 4px 4px rgb(63, 103,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6276, 16.2482, 74.0005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 103, 226) }
```

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

```
.background{ background-color: rgb(63, 103,  
226) }
```

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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