

Converting Colors

XYZ(20.0941, 13.5796, 74.2351)

Have a look what the booklet for
XYZ(20.0941, 13.5796, 74.2351)
contains.

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Color

**XYZ(20.0941, 13.5796,
74.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	4C55E3
RGB	76, 85, 227
RGB Percent	30%, 33%, 89%
CMY	0.7019, 0.6667, 0.1098
CMYK	0.67, 0.63, 0.00, 0.11
HSL	236°, 73%, 59%
HSV	236°, 67%, 89%
XYZ	20.0941, 13.5796, 74.2351
YIQ	98.4970, -50.9460, 42.2540

Conversions

Conversions Part 2

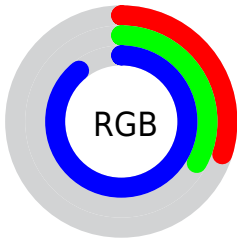
Format	Color
R_{YB}	76, 84, 227
Decimal	5002723
CIE _{Lab}	43.62, 40.86, -73.23
CIE _{LCh}	44, 83.856, 299.162
Yxy	13.5796, 0.1862, 0.1258
Android (android.graphics.Color)	4283192803 (0xFF4C55E3)
YUV	98.4970, 63.3520, -19.7299
Hunter-Lab	36.8505, 32.8453, -93.6439

Details

The XYZ color **20.0941, 13.5796, 74.2351** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **58.0571, 67.0001, 16.7113**, and the grayscale version is **11.5900, 12.1936, 13.2789**.

A 20% lighter version of the original color is **37.6985, 30.2107, 98.4521**, and **8.0145, 4.4199, 38.4609** is the 20% darker color. If you saturate the color by 10%, you get **17.1635, 9.9390, 73.6872**, and if you desaturate by 10%, it is **24.1690, 18.5623, 74.9825**.

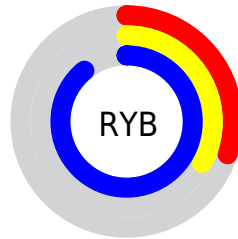
Distribution



Red (30%)

Green (33%)

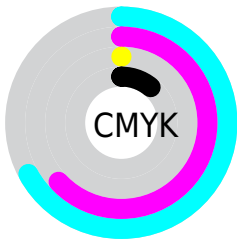
Blue (89%)



Red (30%)

Yellow (33%)

Blue (89%)

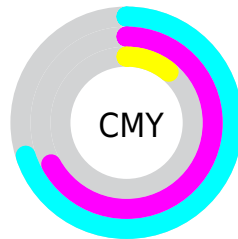


Cyan (67%)

Magenta (63%)

Yellow (0%)

Black (11%)



Cyan (70%)

Magenta (67%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0941, 13.5796, 74.2351 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 20.0941, 13.5796, 74.2351 by changing the saturation by 10% instead.

■ 20.0941, 13.5796,
74.2351

■ 20.0941, 13.5796,
74.2351

245.2479,
214.5996, 494.4695

■ 12.5721, 7.8289,
54.4885

■ 43.0776, 32.3412,
126.9661

■ 7.2095, 3.9856,
38.5965

■ 59.2699, 46.1209,
160.7877

■ 3.6410, 1.6655,
26.1406

■ 79.0830, 63.3456,
200.1380

■ 1.5011, 0.4012,
16.7021

■ 102.8822, 84.3998,
245.4356

■ 0.3266, 0.0000,
9.8626

■ 131.0330,
109.6680, 297.0990

■ 0.0000, 0.0000,
5.2036

163.9006,

■ 0.0000, 0.0000,

139.5344, 355.5467

2.3064

201.8505,
174.3834, 421.1974

■ 0.0000, 0.0000,
0.7348

■ 0.0000, 0.0000,
0.0000

■ 20.0941, 13.5796,
74.2351

■ 20.0941, 13.5796,
74.2351

■ 17.1635, 9.9390,
73.6872

■ 24.1690, 18.5623,
74.9825

■ 15.2573, 7.5089,
73.3186

■ 29.4873, 24.9999,
75.9447

■ 14.2315, 6.1318,
73.1069

■ 36.1403, 32.9942,
77.1371

■ 14.0158, 5.8474,
73.0633

■ 44.2096, 42.6377,
78.5732

■ 53.7707, 54.0157,
80.2655

■ 64.8935, 67.2076,
82.2255

■ 77.6435, 82.2878,
84.4643

■ 90.8652, 98.3261,
86.8631

Harmonies

Analogous

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



12.7231, 13.5796, 88.4982



20.0941, 13.5796, 74.2351



27.0780, 13.5796, 42.1713

Triad

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



20.0941, 13.5796, 74.2351



20.5272, 13.5796, 0.2246



3.9474, 13.5796, 14.2628

Complementary

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



20.0941, 13.5796, 74.2351



58.0571, 67.0001, 16.7113

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.



4.8143, 13.5796, 2.9125



20.0941, 13.5796, 74.2351



13.0927, 13.5796, 0.0000

Square

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



20.0941, 13.5796, 74.2351



27.3820, 13.5796, 3.2341



7.6776, 13.5796, 0.1389



4.7192, 13.5796, 40.3541

Rectangle

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



20.0941, 13.5796, 74.2351



29.7174, 13.5796, 22.6867



7.6776, 13.5796, 0.1389



4.0500, 13.5796, 8.9723

Sweetspot

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



20.0948, 13.5799, 74.2355



65.2737, 64.7010, 103.6560



42.9662, 61.4816, 75.2035



13.2181, 12.9524, 22.0533



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.



20.0948, 13.5799, 74.2355



21.2010, 11.4953, 95.7091



27.5094, 16.4173, 74.3924



13.6514, 14.0242, 18.1318



8.2017, 3.4654, 42.6198



0.6305, 0.3049, 3.1576

Inverse Universe

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



35.9034, 22.1569, 10.9787



43.3252, 23.9882, 7.0711



43.5872, 63.0968, 16.7206



14.4116, 14.3818, 15.1020



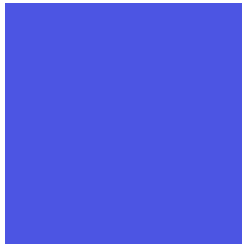
18.5333, 9.5475, 1.1715



1.3819, 0.7105, 0.1515

Previews

White Background



This preview shows how the XYZ color 20.0941, 13.5796, 74.2351 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 20.0941, 13.5796, 74.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

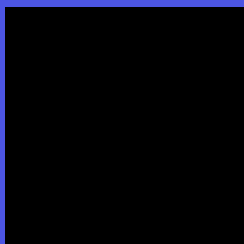
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0941, 13.5796, 74.2351

Background



This preview shows how black text looks on a background with the XYZ color 20.0941, 13.5796, 74.2351.



This preview shows how white text looks on a background with the XYZ color 20.0941, 13.5796,

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

20.0941, 13.5796, 74.2351

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.2898, 13.3984, 45.0657



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

20.0941, 13.5796, 74.2351

Protanomaly

16.8763, 13.2102, 66.6261

Deuteranomaly

14.9246, 13.0135, 54.5486

Tritanomaly

11.6743, 12.4854, 35.0523

Monochromacy



Original Color

20.0941, 13.5796, 74.2351

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2416, 12.0467, 28.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0941, 13.5796, 74.2351 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(76, 85, 227)` looks like.

```
.text, #text, p{  
  color:rgb(76, 85, 227)  
}
```

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(76, 85, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 85, 227) }
```

Border

The CSS property to change the border of an element to XYZ 20.0941, 13.5796, 74.2351 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(76, 85, 227) }
```


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

```
.border{ border-color:rgb(76, 85, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 85, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 85, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 85, 227);  
box-shadow:4px 4px 4px 4px rgb(76, 85,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0941, 13.5796, 74.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 85, 227) }
```

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

```
.background{ background-color: rgb(76, 85,  
227) }
```

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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