

Converting Colors

XYZ(20.1721, 10.4272, 85.7449)

Have a look what the booklet for
XYZ(20.1721, 10.4272, 85.7449)
contains.

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Color

**XYZ(20.1984, 10.4337,
85.7434)**

Conversions

Conversions Part 1

Format	Color
Hex	4935F3
RGB	73, 53, 243
RGB Percent	29%, 21%, 95%
CMY	0.7137, 0.7922, 0.0471
CMYK	0.70, 0.78, 0.00, 0.05
HSL	246°, 89%, 58%
HSV	246°, 78%, 95%
XYZ	20.1984, 10.4337, 85.7434
YIQ	80.6400, -49.0700, 63.3300

Conversions

Conversions Part 2

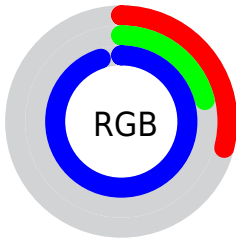
Format	Color
R _Y B	73, 53, 243
Decimal	4797939
CIE Lab	38.61, 62.99, -90.54
CIE LCh	39, 110.291, 304.828
Yxy	10.4337, 0.1736, 0.0897
Android (android.graphics.Color)	4282988019 (0xFF4935F3)
YUV	80.6400, 80.0435, -6.7003
Hunter-Lab	32.3012, 55.0913, -134.7740

Details

The XYZ color **20.1984, 10.4337, 85.7434** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **63.1203, 80.0442, 15.4910**, and the grayscale version is **7.6057, 8.0017, 8.7139**.

A 20% lighter version of the original color is **34.5019, 23.0499, 97.2384**, and **8.7570, 3.5028, 46.1135** is the 20% darker color. If you saturate the color by 10%, you get **17.9886, 8.0459, 85.3993**, and if you desaturate by 10%, it is **23.5459, 14.2400, 86.3020**.

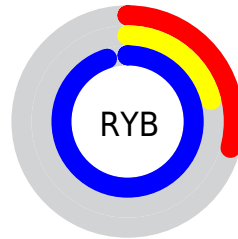
Distribution



Red (29%)

Green (21%)

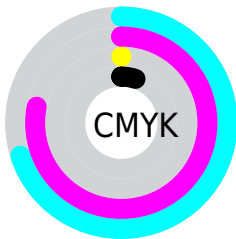
Blue (95%)



Red (29%)

Yellow (21%)

Blue (95%)

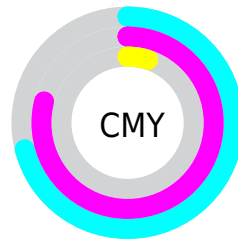


Cyan (70%)

Magenta (78%)

Yellow (0%)

Black (5%)



Cyan (71%)

Magenta (79%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1984, 10.4337, 85.7434 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 20.1984, 10.4337, 85.7434 by changing the saturation by 10% instead.

■ 20.1984, 10.4337,
85.7434

■ 20.1984, 10.4337,
85.7434

245.8003,
193.7401, 534.2933

■ 12.6484, 5.6874,
63.9021

■ 43.2510, 26.6081,
143.2947

■ 7.2622, 2.6560,
46.1257

■ 59.4843, 38.8051,
179.8419

■ 3.6744, 0.9549,
31.9957

■ 79.3428, 54.2544,
222.1280

■ 1.5196, 0.0000,
21.0934

■ 103.1918, 73.3404,
270.5718

■ 0.3391, 0.0000,
13.0004

■ 131.3967, 96.4476,
325.5916

■ 0.0000, 0.0000,
7.2981

■ 164.3229,

■ 0.0000, 0.0000,

123.9604, 387.6062

3.5679

202.3356,
156.2630, 457.0339

■ 0.0000, 0.0000,
1.3914

■ 0.0000, 0.0000,
0.1350

■ 20.1984, 10.4337,
85.7434

■ 20.1984, 10.4337,
85.7434

■ 17.9886, 8.0459,
85.3993

■ 23.5459, 14.2400,
86.3020

■ 16.7473, 6.8355,
85.2311

■ 28.1575, 19.6415,
87.1015

■ 16.5935, 6.6854,
85.2103

■ 34.1450, 26.7894,
88.1656

■ 41.6071, 35.8173,
89.5149

■ 50.6335, 46.8455,
91.1678

■ 61.3065, 59.9846,
93.1414

■ 73.7029, 75.3367,
95.4513

■ 87.8943, 92.9976,
98.1122

■ 93.1777, 99.2511,
99.0408

Harmonies

Analogous

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



11.1369, 10.4337, 115.6405



20.1984, 10.4337, 85.7434



28.6389, 10.4337, 38.2070

Triad

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



20.1984, 10.4337, 85.7434



17.1063, 10.4337, 0.0000



1.5025, 10.4337, 15.0623

Complementary

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



20.1984, 10.4337, 85.7434



63.1203, 80.0442, 15.4910

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.



1.8946, 10.4337, 1.4351



20.1984, 10.4337, 85.7434



8.7894, 10.4337, 0.0000

Square

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



20.1984, 10.4337, 85.7434



26.3252, 10.4337, 0.2503



3.8961, 10.4337, 0.0000



2.3110, 10.4337, 52.8147

Rectangle

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



20.1984, 10.4337, 85.7434



31.2861, 10.4337, 15.3532



3.8961, 10.4337, 0.0000



1.5046, 10.4337, 8.1281

Sweetspot

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



20.1991, 10.4339, 85.7437



62.3692, 59.4883, 102.8029



44.3014, 60.5392, 94.1447



12.4510, 11.6281, 21.8382



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.



20.1991, 10.4339, 85.7437



19.1217, 8.0324, 95.1503



33.3868, 17.2323, 86.3609



15.7431, 16.0102, 20.8031



9.1595, 3.6962, 46.7687



0.8577, 0.3520, 4.1130

Inverse Universe

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



51.5526, 26.9276, 72.2825



55.6630, 27.3093, 77.0168



41.7462, 69.0255, 14.4907



17.1340, 16.7364, 20.4522



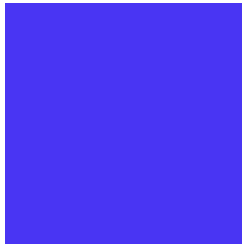
27.2189, 13.2310, 37.4566



2.4135, 1.1714, 3.4037

Previews

White Background



This preview shows how the XYZ color 20.1984, 10.4337, 85.7434 looks on a white background.

Color Contrast Check

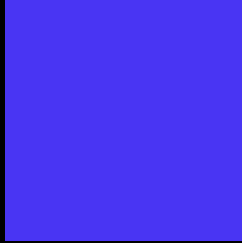
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1984, 10.4337, 85.7434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

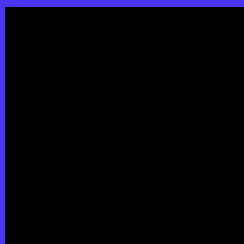
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1984, 10.4337, 85.7434

Background



This preview shows how black text looks on a background with the XYZ color 20.1984, 10.4337, 85.7434.



This preview shows how white text looks on a background with the XYZ color 20.1984, 10.4337,

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

20.1984, 10.4337, 85.7434

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9151, 10.2290, 32.9043



Tritanopia

7.1587, 10.1550, 15.2185

Trichromacy



Original Color

20.1984, 10.4337, 85.7434

Protanomaly

13.9875, 9.6729, 58.8874

Deuteranomaly

12.2535, 9.3126, 48.7286

Tritanomaly

9.5460, 8.8198, 32.6518

Monochromacy



Original Color

20.1984, 10.4337, 85.7434

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.1287, 8.0196, 25.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1984, 10.4337, 85.7434 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, 53, 243)` looks like.

```
.text, #text, p{  
    color:rgb(73, 53, 243)  
}
```

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, 53, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 53, 243) }
```

Border

The CSS property to change the border of an element to XYZ 20.1984, 10.4337, 85.7434 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, 53, 243) }
```


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

```
.border{ border-color:rgb(73, 53, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 53, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 53, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 53, 243);  
box-shadow:4px 4px 4px 4px rgb(73, 53,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1984, 10.4337, 85.7434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 53, 243) }
```

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

```
.background{ background-color: rgb(73, 53,  
243) }
```

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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