

Converting Colors

XYZ(20.1552, 9.5154, 87.1610)

Have a look what the booklet for
XYZ(20.1552, 9.5154, 87.1610)
contains.

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Color

**XYZ(20.1550, 9.5153,
87.1605)**

Conversions

Conversions Part 1

Format	Color
Hex	4C26F5
RGB	76, 38, 245
RGB Percent	30%, 15%, 96%
CMY	0.7019, 0.8510, 0.0392
CMYK	0.69, 0.84, 0.00, 0.04
HSL	251°, 91%, 55%
HSV	251°, 84%, 96%
XYZ	20.1550, 9.5153, 87.1605
YIQ	72.9600, -43.7990, 72.4330

Conversions

Conversions Part 2

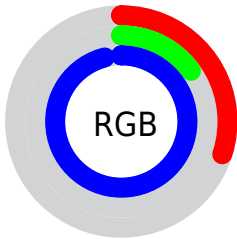
Format	Color
R _Y B	76, 38, 245
Decimal	4990709
CIE Lab	36.96, 69.89, -94.39
CIE LCh	37, 117.455, 306.518
Yxy	9.5153, 0.1725, 0.0814
Android (android.graphics.Color)	4283180789 (0xFF4C26F5)
YUV	72.9600, 84.8157, 2.6661
Hunter-Lab	30.8469, 62.6478, -145.9362

Details

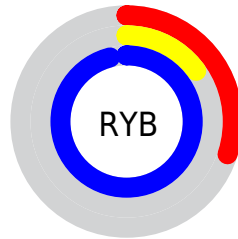
The XYZ color **20.1550, 9.5153, 87.1605** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **58.7302, 78.7082, 13.9301**, and the grayscale version is **6.1888, 6.5111, 7.0906**.

A 20% lighter version of the original color is **33.9970, 21.2517, 96.9179**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **18.2632, 7.7343, 86.9168**, and if you desaturate by 10%, it is **23.0562, 12.5793, 87.5993**.

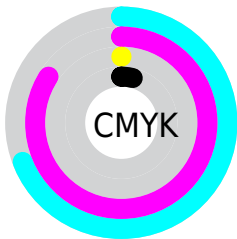
Distribution



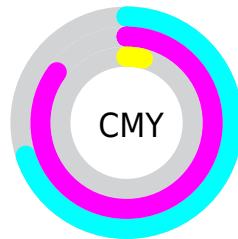
- Red (30%)
- Green (15%)
- Blue (96%)



- Red (30%)
- Yellow (15%)
- Blue (96%)



- Cyan (69%)
- Magenta (84%)
- Yellow (0%)
- Black (4%)



- Cyan (70%)
- Magenta (85%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1550, 9.5153, 87.1605 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 20.1550, 9.5153, 87.1605 by changing the saturation by 10% instead.

■ 20.1550, 9.5153,
87.1605

■ 20.1550, 9.5153,
87.1605

245.5706,
187.1768, 539.0800

■ 12.6167, 5.0788,
65.0677

■ 43.1789, 24.8798,
145.2887

■ 7.2403, 2.2936,
47.0642

■ 59.3951, 36.5765,
182.1611

■ 3.6605, 0.7703,
32.7317

■ 79.2347, 51.4621,
224.7971

■ 1.5119, 0.0000,
21.6516

■ 103.0631, 69.9209,
273.6152

■ 0.3339, 0.0000,
13.4053

■ 131.2454, 92.3374,
329.0341

■ 0.0000, 0.0000,
7.5742

■ 164.1473,

■ 0.0000, 0.0000,

119.0960, 391.4721

3.7399

202.1339,
150.5810, 461.3479

■ 0.0000, 0.0000,
1.4838

■ 0.0000, 0.0000,
0.2058

■ 20.1550, 9.5153,
87.1605

■ 20.1550, 9.5153,
87.1605

■ 18.2632, 7.7343,
86.9168

■ 23.0562, 12.5793,
87.5993

■ 17.5634, 7.1503,
86.8409

■ 27.0933, 17.1220,
88.2634

■ 32.3755, 23.3051,
89.1784

■ 38.9978, 31.2688,
90.3665

47.0459, 41.1379,
91.8473

56.5982, 53.0262,
93.6385

67.7271, 67.0382,
95.7565

80.5004, 83.2711,
98.2166

93.4815, 99.3726,
100.6403

Harmonies

Analogous

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



10.7231, 9.5153, 122.4828



20.1550, 9.5153, 87.1605



28.8421, 9.5153, 35.8535

Triad

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



20.1550, 9.5153, 87.1605



15.8254, 9.5153, 0.0000



1.0561, 9.5153, 15.5939

Complementary

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



20.1550, 9.5153, 87.1605



58.7302, 78.7082, 13.9301

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.



1.3318, 9.5153, 1.1998



20.1550, 9.5153, 87.1605



7.5501, 9.5153, 0.0000

Square

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



20.1550, 9.5153, 87.1605



25.5431, 9.5153, 0.0000



3.0205, 9.5153, 0.0000



1.8243, 9.5153, 57.0128

Rectangle

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



20.1550, 9.5153, 87.1605



31.3612, 9.5153, 12.9837



3.0205, 9.5153, 0.0000



1.0408, 9.5153, 8.1168

Sweetspot

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



20.1557, 9.5154, 87.1608



61.3523, 57.2813, 102.4305



39.6054, 51.6541, 94.2693



12.3095, 11.2335, 21.7695



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.



20.1557, 9.5154, 87.1608



19.2144, 7.8203, 95.1045



35.8687, 17.6157, 87.8962



15.8650, 16.0731, 20.8088



9.5447, 3.8948, 46.7867



0.9154, 0.3817, 4.1157

Inverse Universe

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



49.6099, 25.3027, 61.2911



52.6462, 25.8225, 61.9942



38.6587, 68.3609, 12.9907



17.0754, 16.7130, 20.1437



25.9508, 12.7237, 30.7788



2.3140, 1.1316, 2.8797

Previews

White Background



This preview shows how the XYZ color 20.1550, 9.5153, 87.1605 looks on a white background.

Color Contrast Check

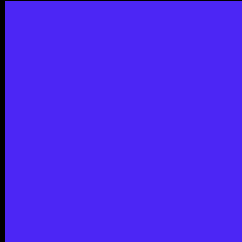
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 20.1550, 9.5153, 87.1605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

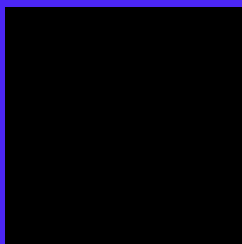
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1550, 9.5153, 87.1605

Background



This preview shows how black text looks on a background with the XYZ color 20.1550, 9.5153, 87.1605.



This preview shows how white text looks on a background with the XYZ color 20.1550, 9.5153,

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

20.1550, 9.5153, 87.1605

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

8.9972, 9.3147, 29.7575

Trichromacy



Original Color

20.1550, 9.5153, 87.1605

Protanomaly

12.9114, 8.4313, 55.5905

Deuteranomaly

11.3208, 8.0879, 46.3118

Monochromacy



Original Color

20.1550, 9.5153, 87.1605

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.8838, 6.4651, 24.0722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1550, 9.5153, 87.1605 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, 38, 245)` looks like.

```
.text, #text, p{  
    color:rgb(76, 38, 245)  
}
```

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, 38, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 38, 245) }
```

Border

The CSS property to change the border of an element to XYZ 20.1550, 9.5153, 87.1605 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, 38, 245) }
```

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

```
.border{ border-color:rgb(76, 38, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 38, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 38, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 38, 245);  
box-shadow:4px 4px 4px 4px rgb(76, 38,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 20.1550, 9.5153, 87.1605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 38, 245) }
```

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

```
.background{ background-color: rgb(76, 38,  
245) }
```

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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