

Converting Colors

XYZ(20.6490, 14.8283, 80.9201)

Have a look what the booklet for
XYZ(20.6490, 14.8283, 80.9201)
contains.

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Color

**XYZ(20.7186, 14.8738,
81.1358)**

Conversions

Conversions Part 1

Format	Color
Hex	375EEC
RGB	55, 94, 236
RGB Percent	22%, 37%, 93%
CMY	0.7843, 0.6314, 0.0745
CMYK	0.77, 0.60, 0.00, 0.07
HSL	227°, 83%, 57%
HSV	227°, 77%, 93%
XYZ	20.7186, 14.8738, 81.1358
YIQ	98.5270, -68.8260, 35.8940

Conversions

Conversions Part 2

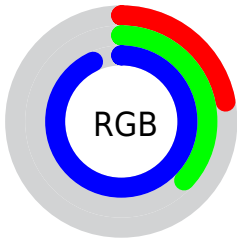
Format	Color
R_{YB}	55, 87, 236
Decimal	3628780
CIE _{Lab}	45.46, 36.00, -75.35
CIE _{LCh}	45, 83.511, 295.535
Yxy	14.8738, 0.1775, 0.1274
Android (android.graphics.Color)	4281818860 (0xFF375EEC)
YUV	98.5270, 67.7742, -38.1732
Hunter-Lab	38.5666, 28.4017, -97.7369

Details

The XYZ color **20.7186, 14.8738, 81.1358** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **55.2519, 58.0485, 11.9087**, and the grayscale version is **11.5905, 12.1941, 13.2793**.

A 20% lighter version of the original color is **36.9253, 31.7557, 98.7910**, and **9.2350, 5.4513, 43.2133** is the 20% darker color. If you saturate the color by 10%, you get **18.2670, 11.4519, 80.6049**, and if you desaturate by 10%, it is **24.1842, 19.4045, 81.8281**.

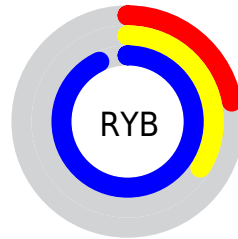
Distribution



Red (22%)

Green (37%)

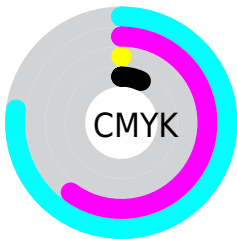
Blue (93%)



Red (22%)

Yellow (34%)

Blue (93%)

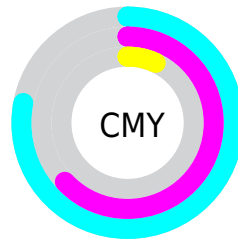


Cyan (77%)

Magenta (60%)

Yellow (0%)

Black (7%)



Cyan (78%)

Magenta (63%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7186, 14.8738, 81.1358 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 20.7186, 14.8738, 81.1358 by changing the saturation by 10% instead.

■ 20.7186, 14.8738,
81.1358

■ 20.7186, 14.8738,
81.1358

248.5393,
222.6011, 518.5597

■ 13.0298, 8.7309,
60.1218

■ 44.1135, 34.6316,
136.7872

■ 7.5262, 4.5661,
43.0909

■ 60.5504, 49.0153,
172.2617

■ 3.8425, 1.9950,
29.6245

■ 80.6339, 66.9147,
213.3935

■ 1.6134, 0.6046,
19.3041

■ 104.7294, 88.7142,
260.6010

■ 0.4011, 0.0000,
11.7112

133.2024,
114.7982, 314.3028

■ 0.0000, 0.0000,
6.4272

166.4181,

■ 0.0000, 0.0000,

145.5511, 374.9175

3.0336

204.7420,
181.3572, 442.8637

■ 0.0000, 0.0000,
1.1118

■ 0.0000, 0.0000,
0.0000

■ 20.7186, 14.8738,
81.1358

■ 20.7186, 14.8738,
81.1358

■ 18.2670, 11.4519,
80.6049

■ 24.1842, 19.4045,
81.8281

■ 16.6997, 9.0295,
80.2200

■ 28.7649, 25.1349,
82.6927

■ 16.3170, 8.4095,
80.1205

■ 34.5518, 32.1468,
83.7411

■ 41.6254, 40.5143,
84.9834

■ 50.0591, 50.3057,
86.4288

■ 59.9206, 61.5845,
88.0861

■ 71.2731, 74.4101,
89.9634

■ 84.1758, 88.8389,
92.0683

■ 92.1404, 98.8362,
93.5782

Harmonies

Analogous

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



13.1215, 14.8738, 92.2145



20.7186, 14.8738, 81.1358



28.2727, 14.8738, 48.9634

Triad

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



20.7186, 14.8738, 81.1358



23.1329, 14.8738, 0.6662



4.5584, 14.8738, 13.3931

Complementary

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



20.7186, 14.8738, 81.1358



55.2519, 58.0485, 11.9087

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.



5.7310, 14.8738, 2.7539



20.7186, 14.8738, 81.1358



15.2038, 14.8738, 0.0000

Square

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



20.7186, 14.8738, 81.1358



29.9574, 14.8738, 4.6622



9.1218, 14.8738, 0.2116



5.1796, 14.8738, 38.9413

Rectangle

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



20.7186, 14.8738, 81.1358



31.4362, 14.8738, 27.7659



9.1218, 14.8738, 0.2116



4.7410, 14.8738, 8.3899

Sweetspot

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



20.7194, 14.8741, 81.1362



63.7025, 64.5956, 103.7184



41.6256, 64.8253, 63.0140



12.7655, 12.8272, 22.0530



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.



20.7194, 14.8741, 81.1362



20.5957, 11.8710, 95.8136



22.4861, 11.8721, 80.4637



14.4942, 15.0748, 19.0681



9.0711, 4.7892, 44.1893



0.7812, 0.5139, 3.4929

Inverse Universe

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



37.9795, 21.3749, 12.7136



42.6325, 22.2286, 7.9937



50.6259, 70.5468, 14.5649



15.1982, 15.1072, 16.3293



19.4340, 9.9763, 2.8207



1.5608, 0.7973, 0.4047

Previews

White Background



This preview shows how the XYZ color 20.7186, 14.8738, 81.1358 looks on a white background.

Color Contrast Check

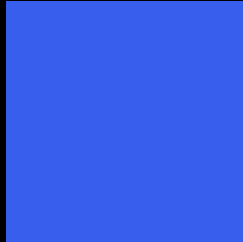
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7186, 14.8738, 81.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

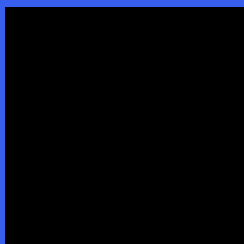
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7186, 14.8738, 81.1358

Background



This preview shows how black text looks on a background with the XYZ color 20.7186, 14.8738, 81.1358.



This preview shows how white text looks on a background with the XYZ color 20.7186, 14.8738,

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

20.7186, 14.8738, 81.1358

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.5456, 14.7397, 49.0921



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

20.7186, 14.8738, 81.1358

Protanomaly

18.4363, 14.6993, 73.0997

Deuteranomaly

16.2583, 14.4571, 59.6912

Tritanomaly

12.7474, 14.0538, 38.1172

Monochromacy



Original Color

20.7186, 14.8738, 81.1358

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.2668, 12.5583, 30.1585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7186, 14.8738, 81.1358 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(55, 94, 236)` looks like.

```
.text, #text, p{  
    color:rgb(55, 94, 236)  
}
```

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(55, 94, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 94, 236) }
```

Border

The CSS property to change the border of an element to XYZ 20.7186, 14.8738, 81.1358 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(55, 94, 236) }
```


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

```
.border{ border-color:rgb(55, 94, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 94, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 94, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 94, 236);  
box-shadow:4px 4px 4px 4px rgb(55, 94,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7186, 14.8738, 81.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 94, 236) }
```

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

```
.background{ background-color: rgb(55, 94,  
236) }
```

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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