

Converting Colors

XYZ(20.3152, 16.4413, 78.4467)

Have a look what the booklet for
XYZ(20.3152, 16.4413, 78.4467)
contains.

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Color

**XYZ(20.3152, 16.4413,
78.4467)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 206AE8 |
| RGB | 32, 106, 232 |
| RGB Percent | 13%, 42%, 91% |
| CMY | 0.8744, 0.5843, 0.0902 |
| CMYK | 0.86, 0.54, 0.00, 0.09 |
| HSL | 218°, 81%, 52% |
| HSV | 218°, 86%, 91% |
| XYZ | 20.3152, 16.4413, 78.4467 |
| YIQ | 98.2380, -84.5500, 23.4980 |

Conversions

Conversions Part 2

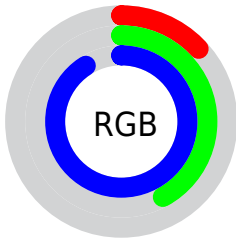
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 32, 86, 232 |
| Decimal | 2124520 |
| CIE _{Lab} | 47.55, 25.03, -69.73 |
| CIE _{LCh} | 48, 74.087, 289.749 |
| Yxy | 16.4413, 0.1763, 0.1427 |
| Android (android.graphics.Color) | 4280314600 (0xFF206AE8) |
| YUV | 98.2380, 65.9447, -58.0907 |
| Hunter-Lab | 40.5479, 18.4729, -86.3230 |

Details

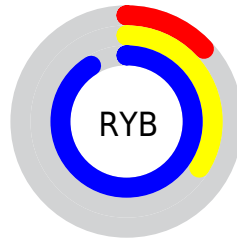
The XYZ color **20.3152, 16.4413, 78.4467** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **45.7714, 41.7233, 7.0093**, and the grayscale version is **11.5268, 12.1271, 13.2064**.

A 20% lighter version of the original color is **37.1772, 34.9788, 99.3999**, and **9.3537, 6.3269, 41.2857** is the 20% darker color. If you saturate the color by 10%, you get **18.4498, 13.4308, 77.9644**, and if you desaturate by 10%, it is **22.9445, 20.2268, 79.0392**.

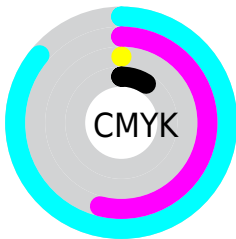
Distribution



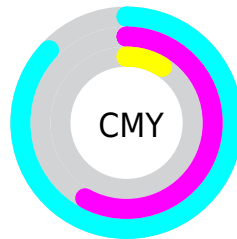
- Red (13%)
- Green (42%)
- Blue (91%)



- Red (13%)
- Yellow (34%)
- Blue (91%)



- Cyan (86%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (87%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3152, 16.4413, 78.4467 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 20.3152, 16.4413, 78.4467 by changing the saturation by 10% instead.

■ 20.3152, 16.4413,
78.4467

■ 20.3152, 16.4413,
78.4467

246.4176,
231.9318, 509.2506

■ 12.7340, 9.8370,
57.9224

■ 43.4449, 37.3626,
132.9712

■ 7.3213, 5.2910,
41.3320

■ 59.7241, 52.4484,
167.8085

■ 3.7120, 2.4190,
28.2569

■ 79.6334, 71.1302,
208.2539

■ 1.5405, 0.8356,
18.2787

■ 103.5380, 93.7923,
254.7258

■ 0.3532, 0.0000,
10.9787

■ 131.8034,
120.8191, 307.6430

■ 0.0000, 0.0000,
5.9386

164.7949,

■ 0.0000, 0.0000,

152.5950, 367.4238

2.7396

202.8778,
189.5045, 434.4868

■ 0.0000, 0.0000,
0.9632

■ 0.0000, 0.0000,
0.0000

■ 20.3152, 16.4413,
78.4467

■ 20.3152, 16.4413,
78.4467

■ 18.4498, 13.4308,
77.9644

■ 22.9445, 20.2268,
79.0392

■ 17.8790, 12.4532,
77.8057

■ 26.4394, 24.8578,
79.7489

■ 30.8858, 30.3952,
80.5834

■ 36.3577, 36.8932,
81.5492

■ 42.9212, 44.4007,
82.6524

■ 50.6363, 52.9632,
83.8985

■ 59.5587, 62.6228,
85.2927

■ 69.7401, 73.4194,
86.8400

■ 81.2291, 85.3907,
88.5452

Harmonies

Analogous

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



13.4774, 16.4413, 82.6889



20.3152, 16.4413, 78.4467



27.4400, 16.4413, 53.1105

Triad

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



20.3152, 16.4413, 78.4467



25.3352, 16.4413, 2.0287



6.1757, 16.4413, 12.1859

Complementary

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



20.3152, 16.4413, 78.4467



45.7714, 41.7233, 7.0093

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.



7.8095, 16.4413, 3.1963



20.3152, 16.4413, 78.4467



17.9938, 16.4413, 0.6345

Square

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



20.3152, 16.4413, 78.4467



30.8570, 16.4413, 8.2210



11.7219, 16.4413, 0.8565



6.4730, 16.4413, 33.1902

Rectangle

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



20.3152, 16.4413, 78.4467



30.7974, 16.4413, 33.6426



11.7219, 16.4413, 0.8565



6.4941, 16.4413, 8.0446

Sweetspot

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



20.3160, 16.4417, 78.4472



62.8129, 65.7024, 103.9790



35.3986, 60.3992, 40.9544



12.6957, 13.2392, 22.1362



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.



20.3160, 16.4417, 78.4472



22.0820, 15.2839, 96.3940



16.6779, 7.6830, 76.9483



14.0173, 14.7560, 18.2537



10.0361, 7.1344, 43.2313



0.8281, 0.7002, 3.2235

Inverse Universe

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



36.3976, 19.2309, 15.4291



43.2751, 22.0741, 12.6469



55.3191, 71.3252, 12.2199



14.5963, 14.4557, 16.0746



19.4593, 9.9179, 6.0476



1.4816, 0.7504, 0.6768

Previews

White Background



This preview shows how the XYZ color 20.3152, 16.4413, 78.4467 looks on a white background.

Color Contrast Check

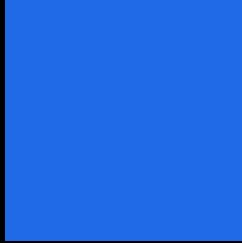
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3152, 16.4413, 78.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

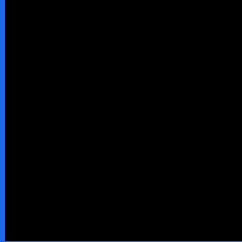
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

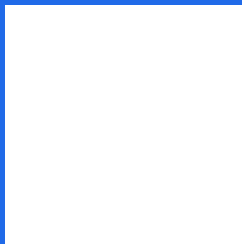
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3152, 16.4413, 78.4467

Background



This preview shows how black text looks on a background with the XYZ color 20.3152, 16.4413, 78.4467.



This preview shows how white text looks on a background with the XYZ color 20.3152, 16.4413,

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

20.3152, 16.4413, 78.4467

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.3238, 16.3387, 55.7194



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

20.3152, 16.4413, 78.4467

Protanomaly

19.6922, 16.3067, 76.9725

Deuteranomaly

17.5786, 16.3196, 63.1963

Tritanomaly

13.5808, 15.6279, 39.3465

Monochromacy



Original Color

20.3152, 16.4413, 78.4467

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7442, 12.8698, 29.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3152, 16.4413, 78.4467 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(32, 106, 232)` looks like.

```
.text, #text, p{  
    color:rgb(32, 106, 232)  
}
```

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(32, 106, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 106, 232) }
```

Border

The CSS property to change the border of an element to XYZ 20.3152, 16.4413, 78.4467 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(32, 106, 232) }
```


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

```
.border{ border-color:rgb(32, 106, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 106, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 106, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 106, 232);  
box-shadow:4px 4px 4px 4px rgb(32, 106,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3152, 16.4413, 78.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 106, 232) }
```

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

```
.background{ background-color: rgb(32, 106,  
232) }
```

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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