

Converting Colors

XYZ(20.1499, 21.2385, 50.1502)

Have a look what the booklet for
XYZ(20.1499, 21.2385, 50.1502)
contains.

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Color

**XYZ(20.0942, 21.1728,
50.0414)**

Conversions

Conversions Part 1

Format	Color
Hex	4E82BB
RGB	78, 130, 187
RGB Percent	31%, 51%, 73%
CMY	0.6941, 0.4902, 0.2667
CMYK	0.58, 0.30, 0.00, 0.27
HSL	211°, 44%, 52%
HSV	211°, 58%, 73%
XYZ	20.0942, 21.1728, 50.0414
YIQ	120.9500, -49.2890, 6.7030

Conversions

Conversions Part 2

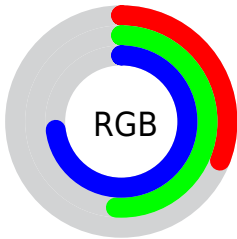
Format	Color
R _Y B	78, 113, 187
Decimal	5145275
CIE Lab	53.14, -0.15, -35.14
CIE LCh	53, 35.140, 269.759
Yxy	21.1728, 0.2201, 0.2319
Android (android.graphics.Color)	4283335355 (0xFF4E82BB)
YUV	120.9500, 32.5626, -37.6671
Hunter-Lab	46.0139, -2.5737, -32.2698

Details

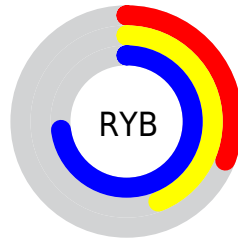
The XYZ color **20.0942, 21.1728, 50.0414** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.5338, 28.4445, 11.0900**, and the grayscale version is **18.0682, 19.0092, 20.7010**.

A 20% lighter version of the original color is **43.1028, 45.4889, 91.3025**, and **7.1761, 7.5783, 23.2748** is the 20% darker color. If you saturate the color by 10%, you get **17.5348, 18.0136, 49.5669**, and if you desaturate by 10%, it is **23.2144, 24.8054, 50.5785**.

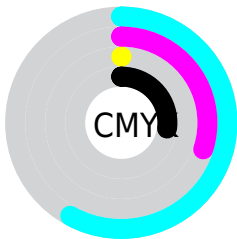
Distribution



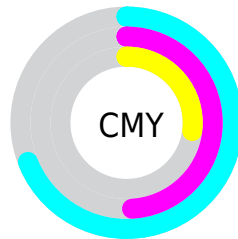
- Red (31%)
- Green (51%)
- Blue (73%)



- Red (31%)
- Yellow (44%)
- Blue (73%)



- Cyan (58%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0942, 21.1728, 50.0414 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 20.0942, 21.1728, 50.0414 by changing the saturation by 10% instead.

■ 20.0942, 21.1728,
50.0414

■ 20.0942, 21.1728,
50.0414

245.2485,
258.1954, 403.5675

■ 12.5722, 13.2504,
35.0749

■ 43.0778, 45.3749,
91.6332

■ 7.2096, 7.6012,
23.4365

■ 59.2701, 62.4234,
119.0955

■ 3.6410, 3.8408,
14.7079

■ 79.0832, 83.2828,
151.5601

■ 1.5011, 1.5849,
8.4703

■ 102.8825,
108.3373, 189.4457

■ 0.3266, 0.3474,
4.3053

■ 131.0333,
137.9714, 233.1706

■ 0.0000, 0.0000,
1.7943

163.9010,

■ 0.0000, 0.0000,

172.5696, 283.1536

0.4242

201.8510,
212.5161, 339.8130

■ 0.0000, 0.0000,
0.0000

■ 20.0942, 21.1728,
50.0414

■ 20.0942, 21.1728,
50.0414

■ 17.5348, 18.0136,
49.5669

■ 23.2144, 24.8054,
50.5785

■ 15.4924, 15.2989,
49.1506

■ 26.9298, 28.9329,
51.1794

■ 13.9196, 12.9996,
48.7897

■ 31.2748, 33.5782,
51.8470

■ 12.7411, 11.0710,
48.4795

■ 36.2802, 38.7615,
52.5837

■ 12.5594, 10.7673,
48.4305

■ 41.9746, 44.5022,
53.3916

■ 48.3849, 50.8182,
54.2729

■ 55.5365, 57.7269,
55.2295

■ 63.4535, 65.2446,
56.2632

■ 72.1589, 73.3870,
57.3761

Harmonies

Analogous

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



16.7475, 21.1728, 45.5331



20.0942, 21.1728, 50.0414



23.8684, 21.1728, 45.6681

Triad

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



20.0942, 21.1728, 50.0414



26.9582, 21.1728, 14.3425



14.5793, 21.1728, 14.2346

Complementary

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



20.0942, 21.1728, 50.0414



30.5338, 28.4445, 11.0900

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.



16.7934, 21.1728, 9.4976



20.0942, 21.1728, 50.0414



23.9265, 21.1728, 9.5452

Square

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



20.0942, 21.1728, 50.0414



28.1152, 21.1728, 23.1394



20.1541, 21.1728, 8.0855



13.8118, 21.1728, 22.9680

Rectangle

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



20.0942, 21.1728, 50.0414



26.0619, 21.1728, 38.8913



20.1541, 21.1728, 8.0855



15.1645, 21.1728, 12.2320

Sweetspot

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



20.0950, 21.1735, 50.0419



65.9510, 70.4144, 94.3167



25.2383, 38.8911, 28.8480



14.0987, 15.0726, 20.7088



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0950, 21.1735, 50.0419



30.2724, 30.7991, 88.5507



14.9879, 10.7353, 48.2963



9.3818, 9.9559, 12.0994



8.7249, 7.5615, 33.3926



0.4073, 0.4272, 1.3299

Inverse Universe

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



27.2479, 17.6263, 23.0857



44.8620, 25.9628, 33.0312



39.1979, 46.4283, 14.1045



9.7146, 9.6101, 10.8860



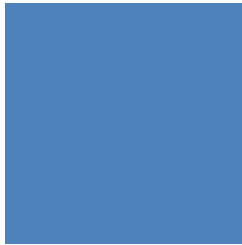
15.4047, 7.7930, 7.4247



0.6365, 0.3185, 0.4650

Previews

White Background



This preview shows how the XYZ color 20.0942, 21.1728, 50.0414 looks on a white 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

Black Background



This preview shows how the XYZ color 20.0942, 21.1728, 50.0414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

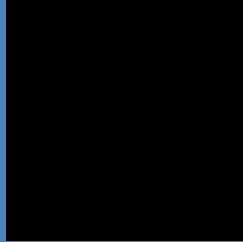
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0942, 21.1728, 50.0414

Background



This preview shows how black text looks on a background with the XYZ color 20.0942, 21.1728, 50.0414.



This preview shows how white text looks on a background with the XYZ color 20.0942, 21.1728,

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

20.0942, 21.1728, 50.0414

Protanopia

21.8355, 20.9808, 47.1548

Deuteranopia

21.6835, 21.2052, 50.5271



Tritanopia

16.3571, 21.0854, 31.6415

Trichromacy



Original Color

20.0942, 21.1728, 50.0414

Protanomaly

21.0423, 20.9238, 48.2770

Deuteranomaly

20.9809, 21.0337, 50.5311

Tritanomaly

17.5199, 20.9235, 37.7656

Monochromacy



Original Color

20.0942, 21.1728, 50.0414

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1442, 19.4629, 29.5885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0942, 21.1728, 50.0414 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(78, 130, 187)` looks like.

```
.text, #text, p{  
    color:rgb(78, 130, 187)  
}
```

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(78, 130, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 130, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.0942, 21.1728, 50.0414 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(78, 130, 187) }
```


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

```
.border{ border-color:rgb(78, 130, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 130, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 130, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 130, 187);  
box-shadow:4px 4px 4px 4px rgb(78, 130,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0942, 21.1728, 50.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 130, 187) }
```

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

```
.background{ background-color: rgb(78, 130,  
187) }
```

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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